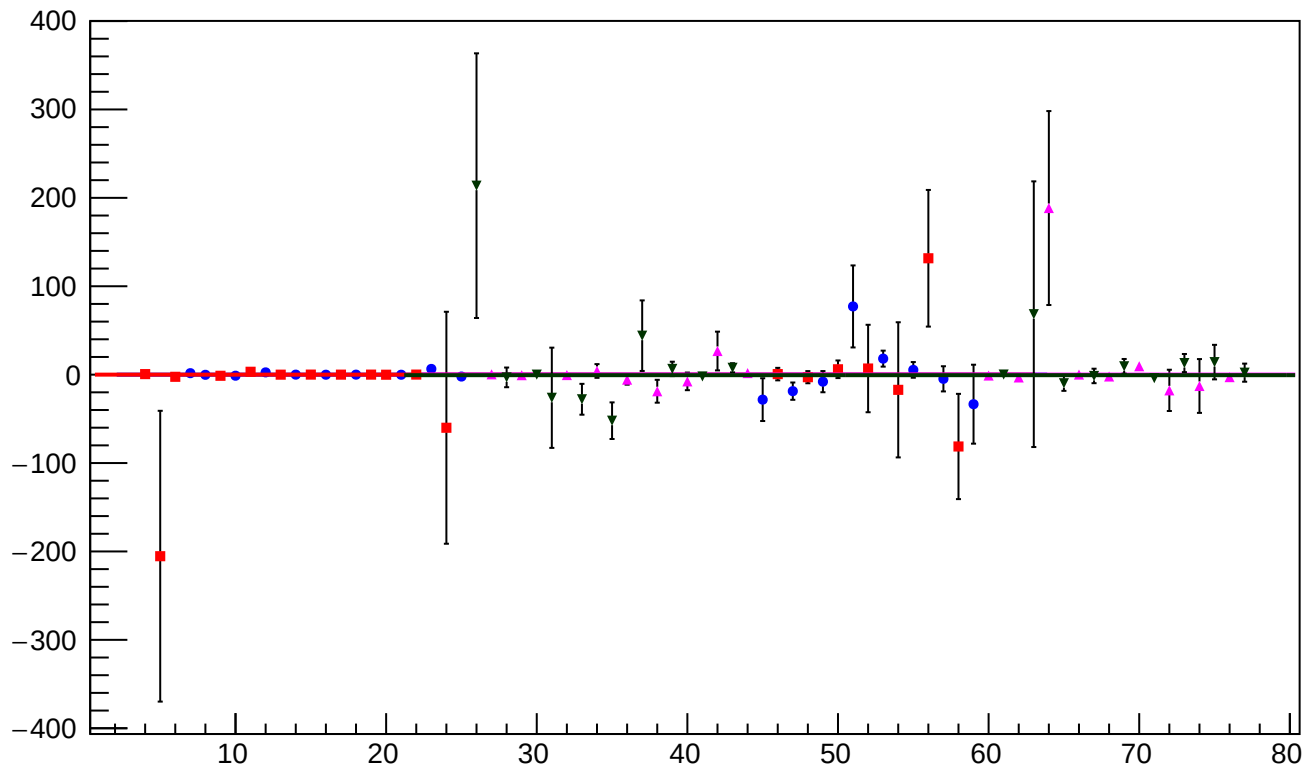


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

$\chi^2/\text{NDF}: 31.2/17$

-0.014 ± 0.014

$\chi^2/\text{NDF}: 54.0/36$

Left Out: -0.589 ± 1.121

$\chi^2/\text{NDF}: 22.5/18$

Right Out: 0.017 ± 0.016

$\chi^2/\text{NDF}: 24.7/18$

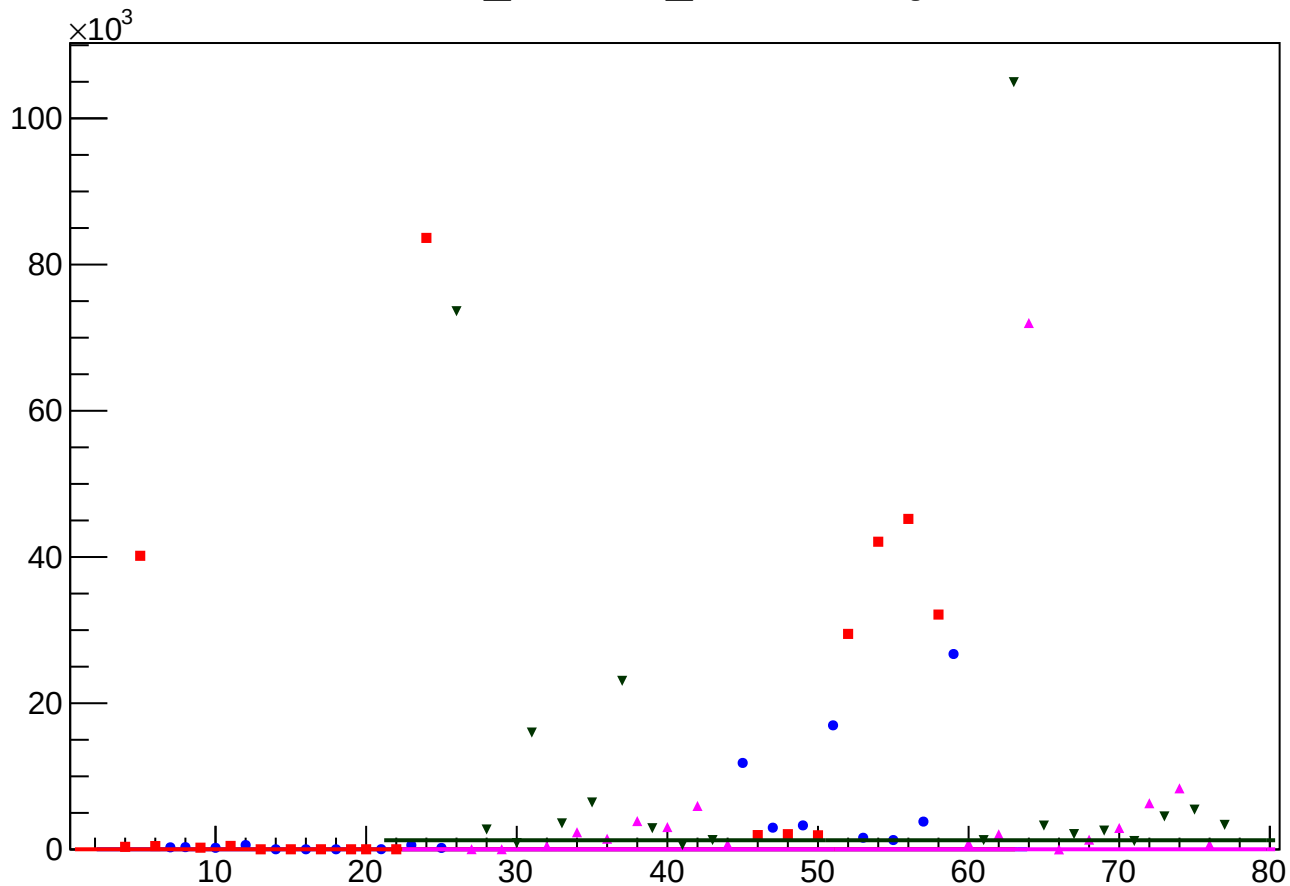
0.019 ± 0.016

$\chi^2/\text{NDF}: 51.7/36$

Left In: 0.068 ± 0.073

$\chi^2/\text{NDF}: 26.6/17$

diff_cav4bX_rms vs slug



Right In: 22.429 ± 0.010 χ^2/NDF : 2804434.6/17

Left Out: 1258.978 ± 0.793 χ^2/NDF : 3226101.6/18

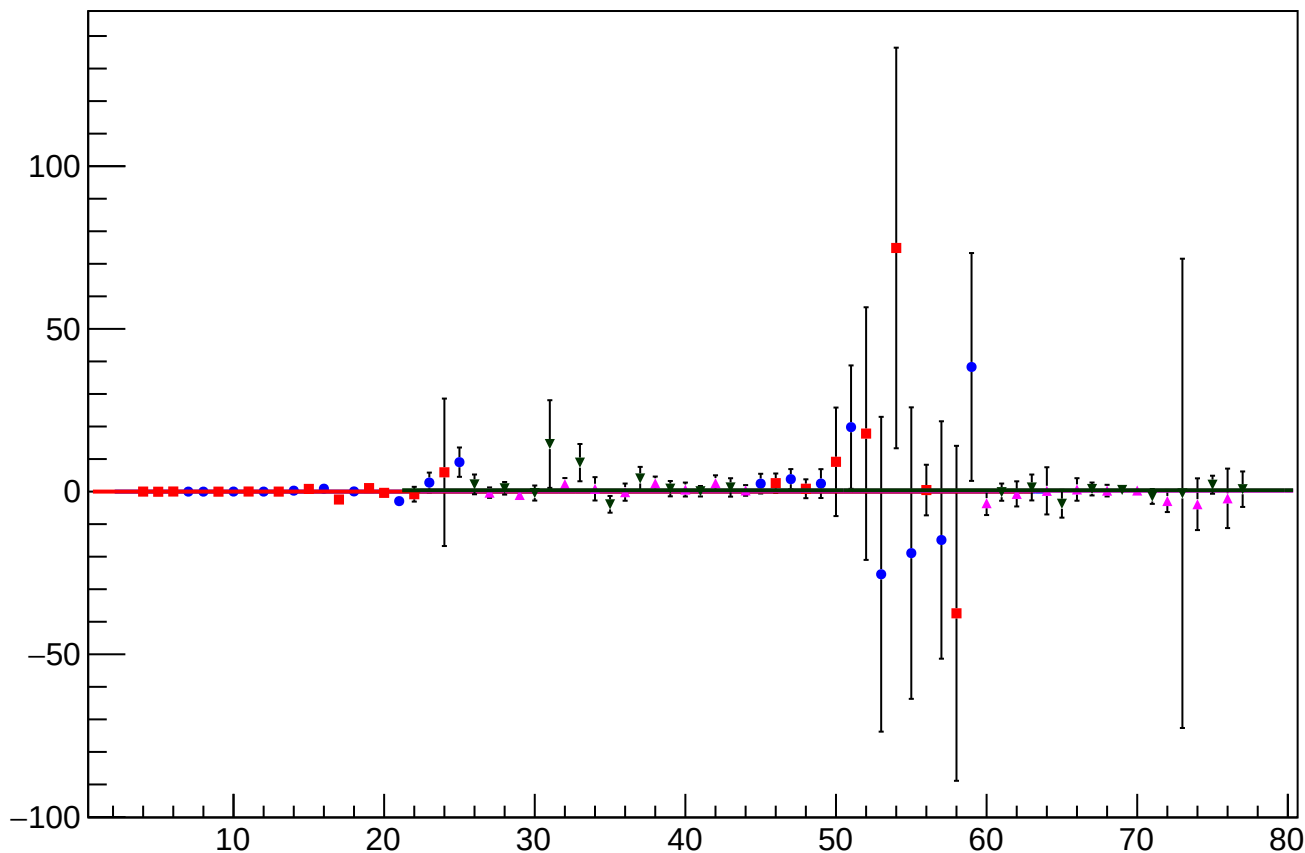
Right Out: 22.611 ± 0.011 χ^2/NDF : 4395534.2/18

Left In: 24.958 ± 0.052 χ^2/NDF : 5009716.4/17

22.631 ± 0.010 χ^2/NDF : 8464663.9/36

22.721 ± 0.011 χ^2/NDF : 9407228.1/36

diff_cav4bY_mean vs slug



Right In: -0.001 ± 0.006 χ^2/NDF : 23.6/17

Left Out: 0.412 ± 0.589 χ^2/NDF : 10.1/18

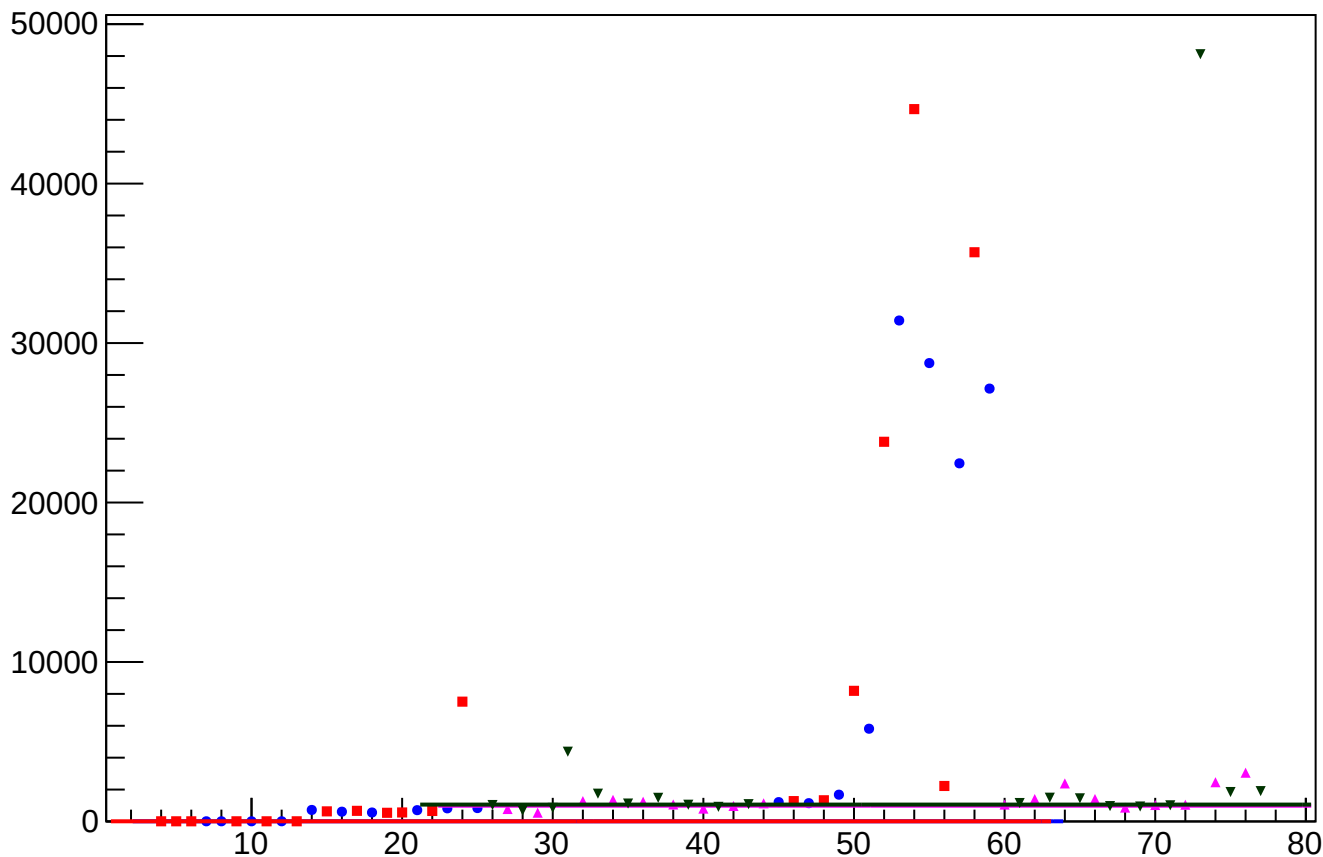
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.271 ± 0.527 χ^2/NDF : 6.8/17

-0.001 ± 0.006 χ^2/NDF : 34.2/36

0.002 ± 0.005 χ^2/NDF : 27.4/36

diff_cav4bY_rms vs slug



Right In: 10.507 $\pm$ 0.005 χ^2/NDF : 8959205.7/17

Left Out: 1057.493 $\pm$ 0.417 χ^2/NDF : 1410175.6/18

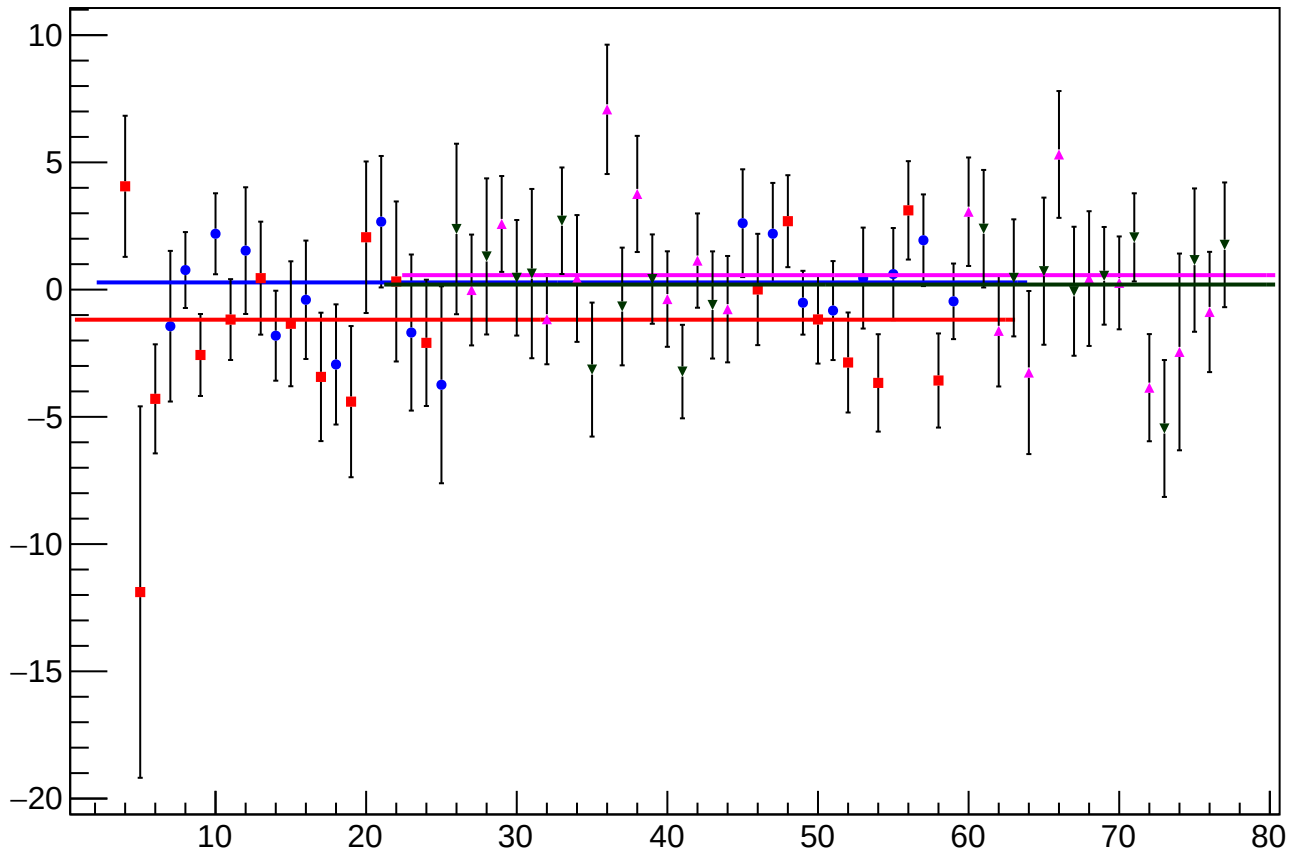
Right Out: 10.086 $\pm$ 0.004 χ^2/NDF : 6750125.6/18

Left In: 985.542 $\pm$ 0.373 χ^2/NDF : 675812.0/17

10.634 $\pm$ 0.005 χ^2/NDF : 16682831.8/36

10.190 $\pm$ 0.004 χ^2/NDF : 14275540.9/36

diff_cav4cX_mean vs slug



Right In: 0.283 ± 0.455 χ^2/NDF : 11.8/17

Left Out: 0.199 ± 0.529 χ^2/NDF : 14.5/18

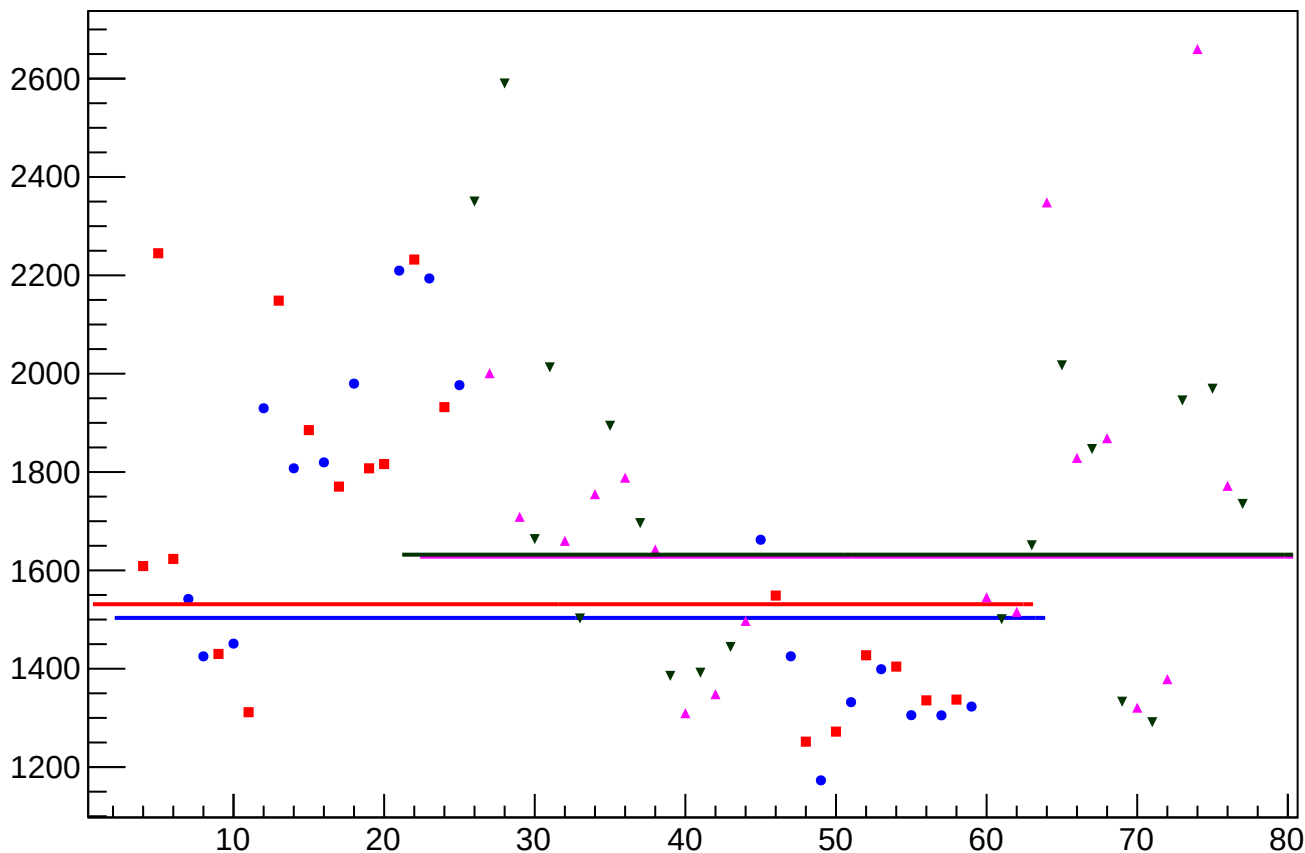
Right Out: -1.182 ± 0.494 χ^2/NDF : 26.5/18

Left In: 0.568 ± 0.518 χ^2/NDF : 24.3/17

0.247 ± 0.345 χ^2/NDF : 26.3/36

-0.349 ± 0.357 χ^2/NDF : 56.8/36

diff_cav4cX_rms vs slug



Right In: 1503.404+/-0.322 χ^2/NDF : 776769.4/17

Left Out: 1631.960+/-0.374 χ^2/NDF : 673873.4/18

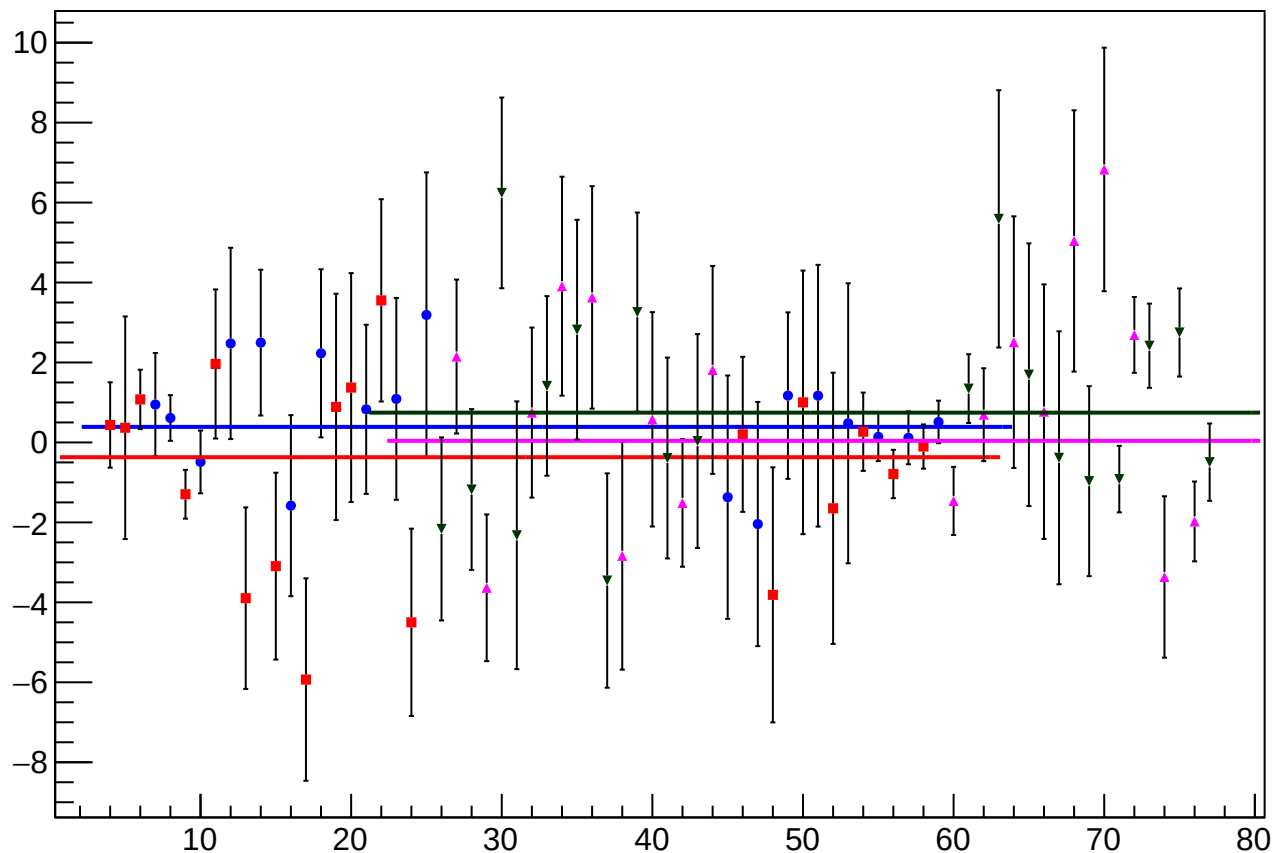
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

Left In: 1627.902+/-0.366 χ^2/NDF : 560828.6/17

1558.113+/-0.244 χ^2/NDF : 1518474.1/36

1577.222+/-0.253 χ^2/NDF : 1218652.0/36

diff_cav4cY_mean vs slug



Right In: 0.389 ± 0.251 χ^2/NDF : 7.5/17

Left Out: 0.745 ± 0.361 χ^2/NDF : 28.0/18

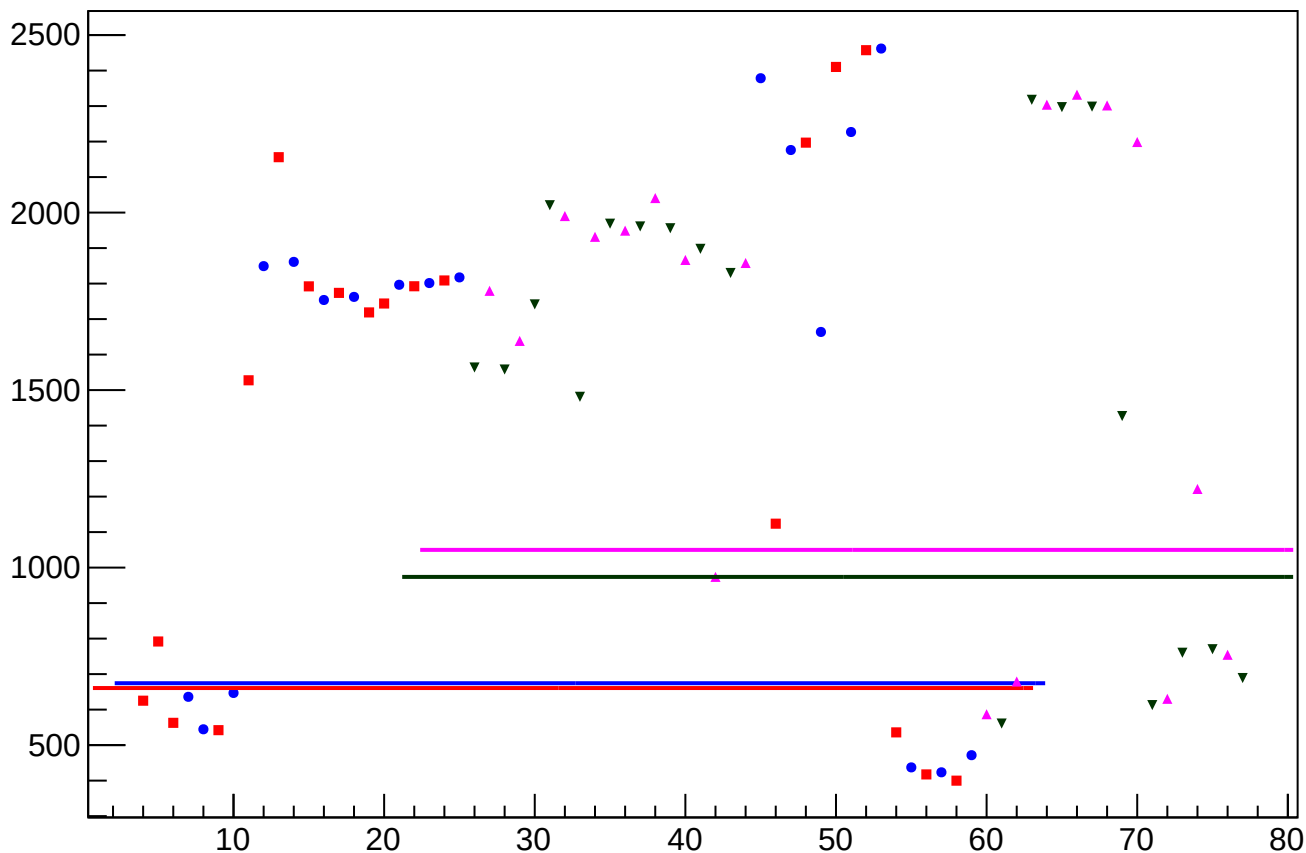
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: 0.041 ± 0.385 χ^2/NDF : 37.6/17

0.506 ± 0.206 χ^2/NDF : 36.2/36

-0.239 ± 0.217 χ^2/NDF : 64.0/36

diff_cav4cY_rms vs slug



Right In: 674.323+/-0.178 χ^2/NDF : 7013232.4/17

Left Out: 973.777+/-0.255 χ^2/NDF : 4384956.6/18

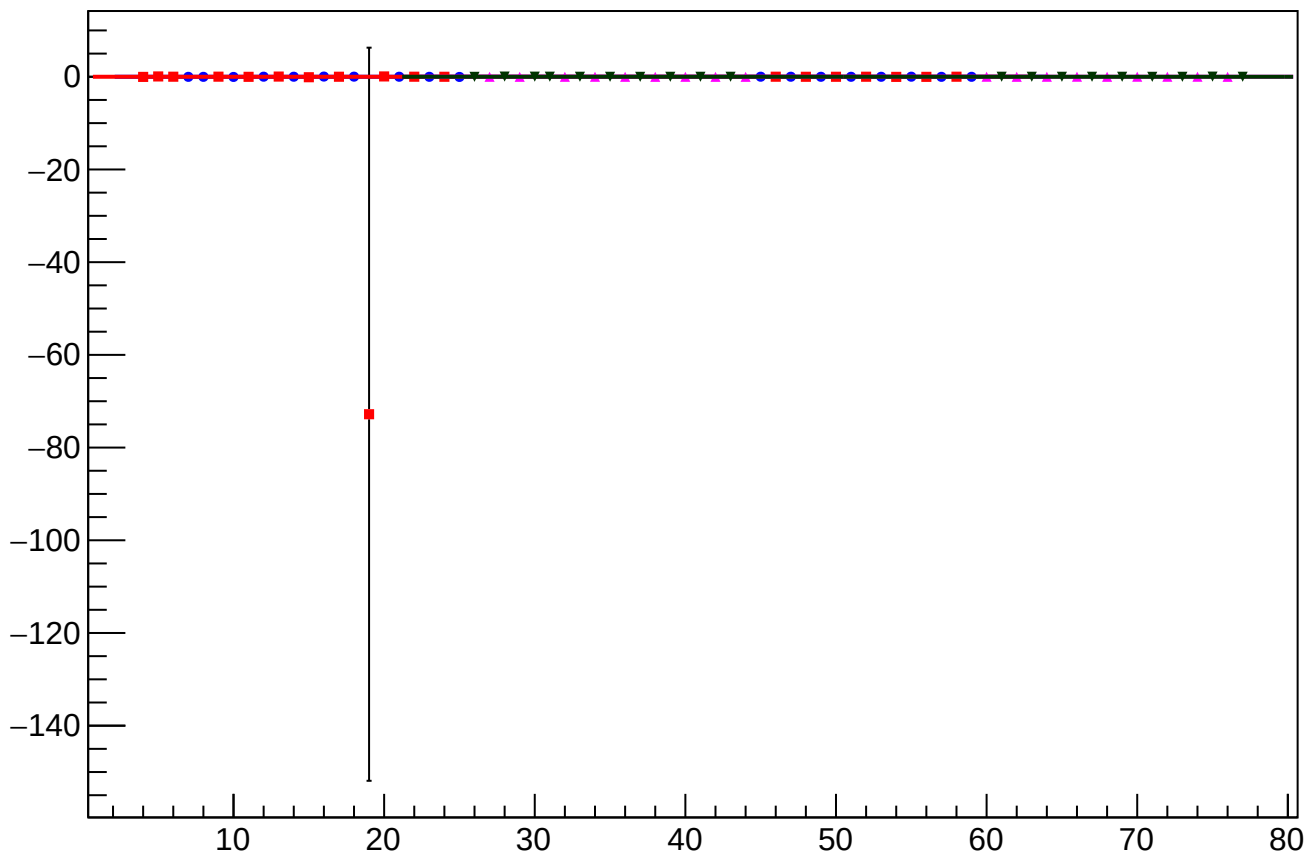
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

Left In: 1049.924+/-0.273 χ^2/NDF : 4520268.7/17

772.305+/-0.146 χ^2/NDF : 12325990.4/36

784.131+/-0.153 χ^2/NDF : 12136095.7/36

diff_cav4dX_mean vs slug



Right In: -0.000+/-0.004 χ^2 /NDF: 11.9/17

Left Out: 0.002+/-0.003 χ^2 /NDF:15.3/18

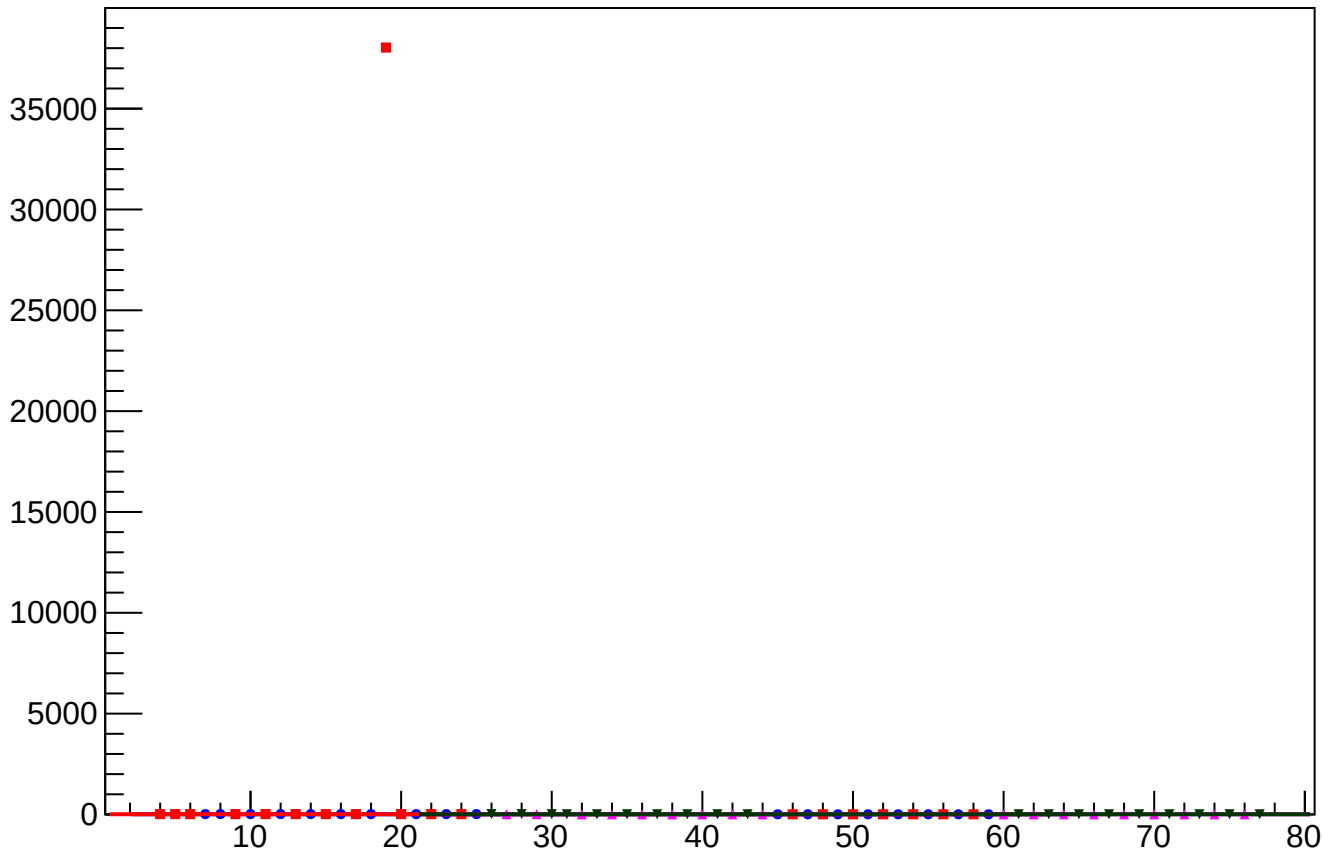
Right Out: 0.002+/-0.004 χ^2 /NDF: 20.0/18

Left In: 0.003+/-0.003 χ^2 /NDF:8.9/17

0.001+/-0.002 χ^2 /NDF: 27.3/36

0.003+/-0.002 χ^2 /NDF: 28.9/36

diff_cav4dX_rms vs slug



Right In: 10.593+/-0.003 χ^2/NDF : 1953039.1/17

Left Out: 8.998+/-0.002 χ^2/NDF : 618232.3/18

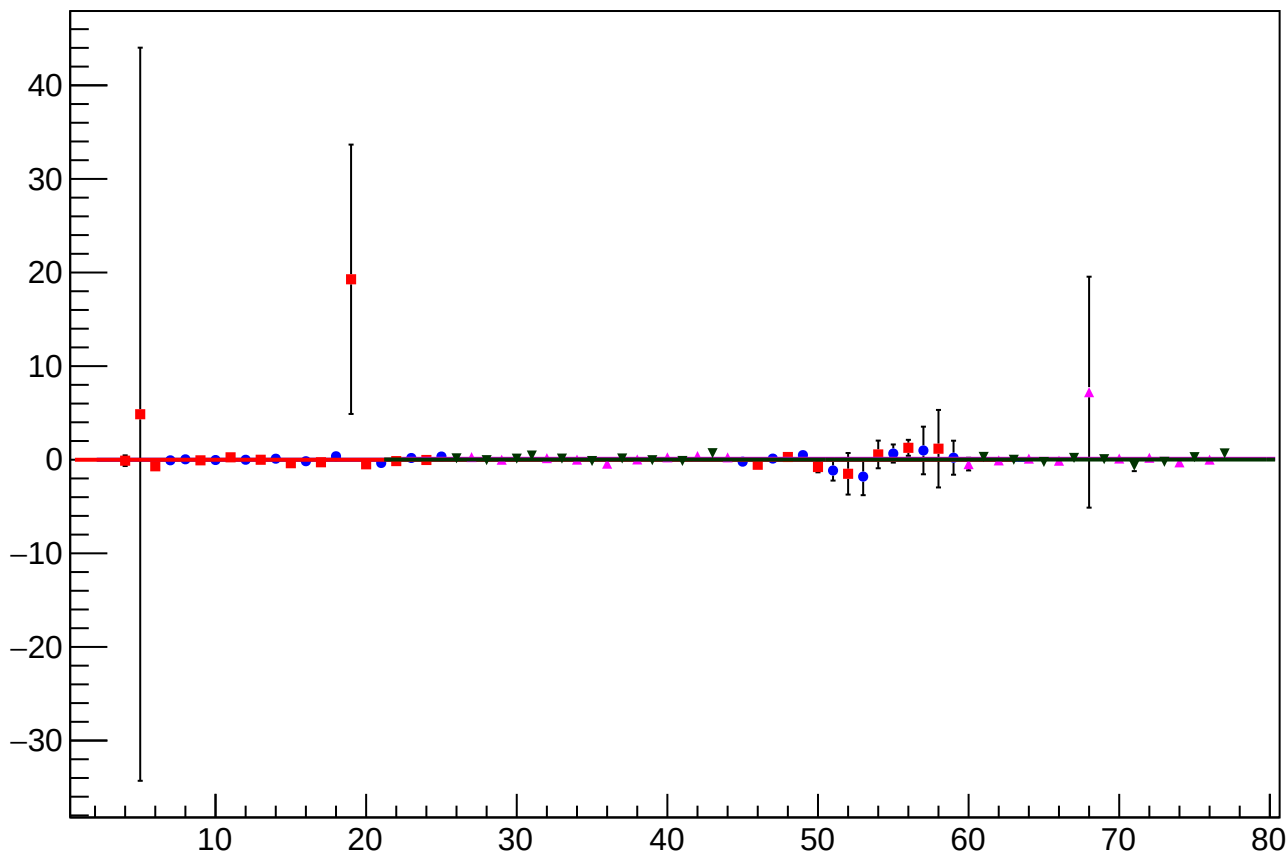
9.634+/-0.002 χ^2/NDF : 2804302.2/36

Right Out: 11.097+/-0.003 χ^2/NDF : 2257827.7/18

9.720+/-0.002 χ^2/NDF : 3374932.9/36

Left In: 9.028+/-0.002 χ^2/NDF : 781609.9/17

diff_cav4dY_mean vs slug



Right In: -0.003+/-0.003 χ^2 /NDF: 20.9/17

Left Out: 0.022+/-0.044 χ^2 /NDF:26.0/18

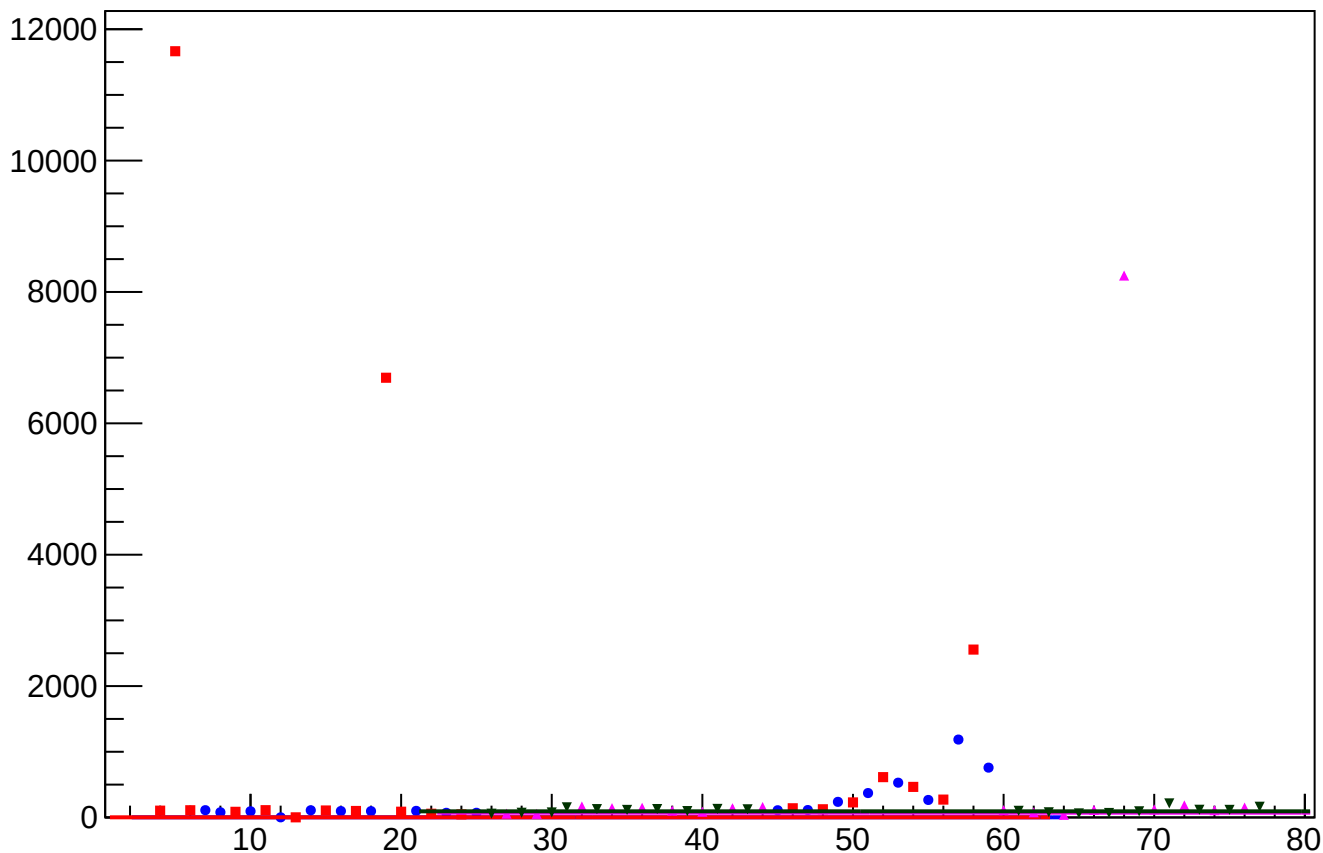
Right Out: -0.003+/-0.003 χ^2 /NDF: 21.1/18

Left In: 0.100+/-0.037 χ^2 /NDF:15.2/17

-0.003+/-0.003 χ^2 /NDF: 47.1/36

-0.002+/-0.003 χ^2 /NDF: 43.8/36

diff_cav4dY_rms vs slug



Right In: 2.214 $\pm$ 0.002 χ^2/NDF : 9160380.4/17

Left Out: 93.203 $\pm$ 0.031 χ^2/NDF : 809176.0/18

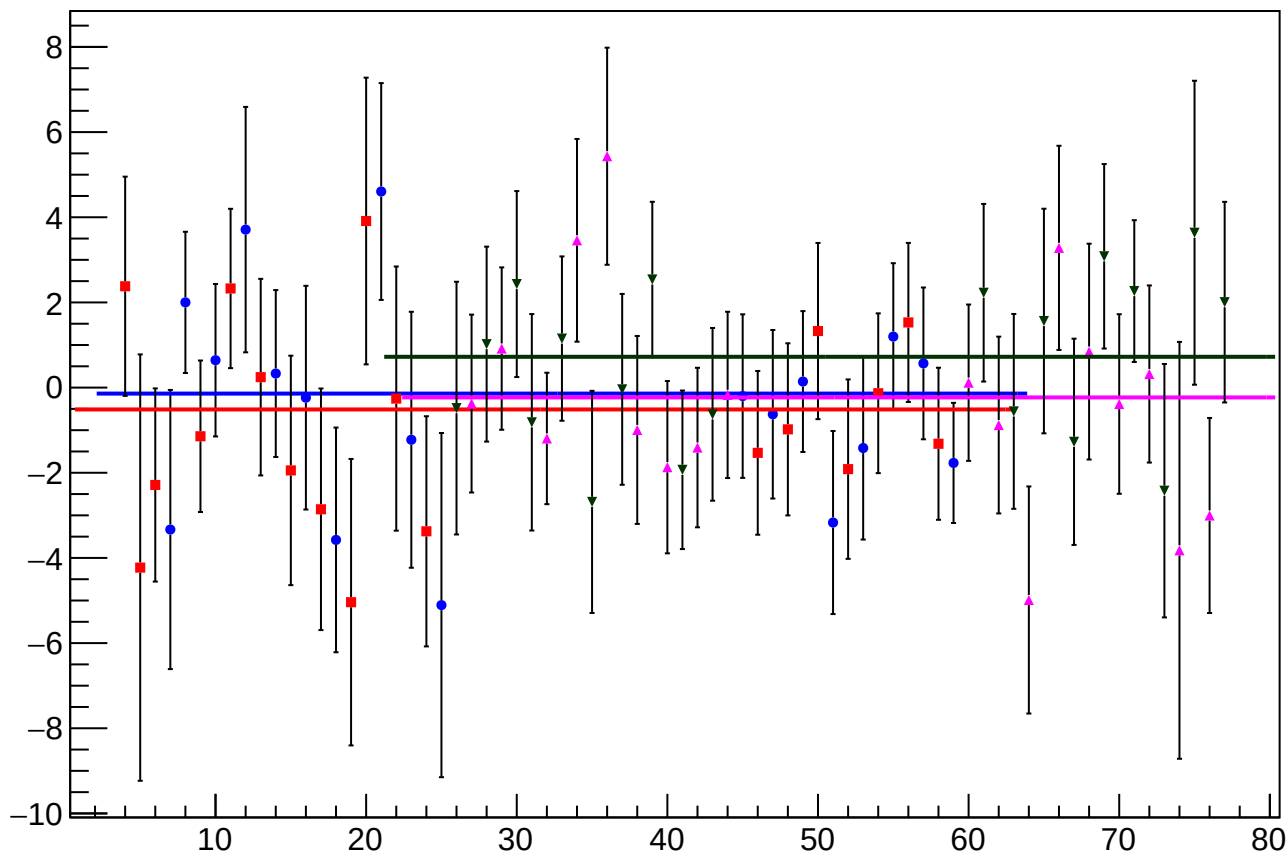
Right Out: 2.101 $\pm$ 0.002 χ^2/NDF : 6716516.3/18

Left In: 71.976 $\pm$ 0.026 χ^2/NDF : 3045202.2/17

2.661 $\pm$ 0.002 χ^2/NDF : 18556997.1/36

2.556 $\pm$ 0.002 χ^2/NDF : 16725525.3/36

diff_bpm4aX_mean vs slug



Right In: -0.141 ± 0.485 $\chi^2/\text{NDF}: 16.0/17$

Left Out: 0.723 ± 0.513 $\chi^2/\text{NDF}: 12.2/18$

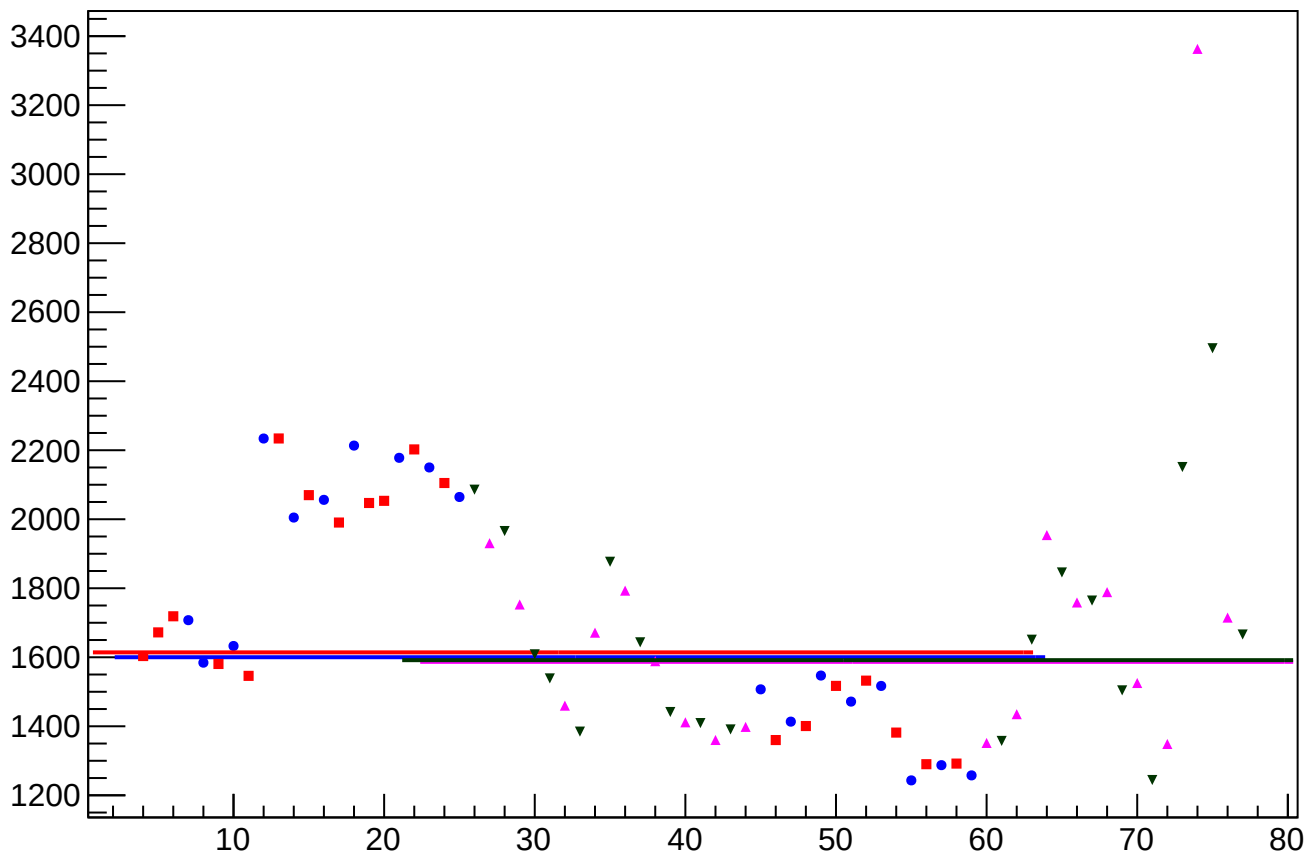
Right Out: -0.513 ± 0.519 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.231 ± 0.504 $\chi^2/\text{NDF}: 17.0/17$

0.267 ± 0.353 $\chi^2/\text{NDF}: 29.7/36$

-0.368 ± 0.361 $\chi^2/\text{NDF}: 30.7/36$

diff_bpm4aX_rms vs slug



Right In: 1600.111 $\pm$ 0.343 χ^2 /NDF: 849754.6/17

Left Out: 1591.604 $\pm$ 0.363 χ^2 /NDF: 556953.6/18

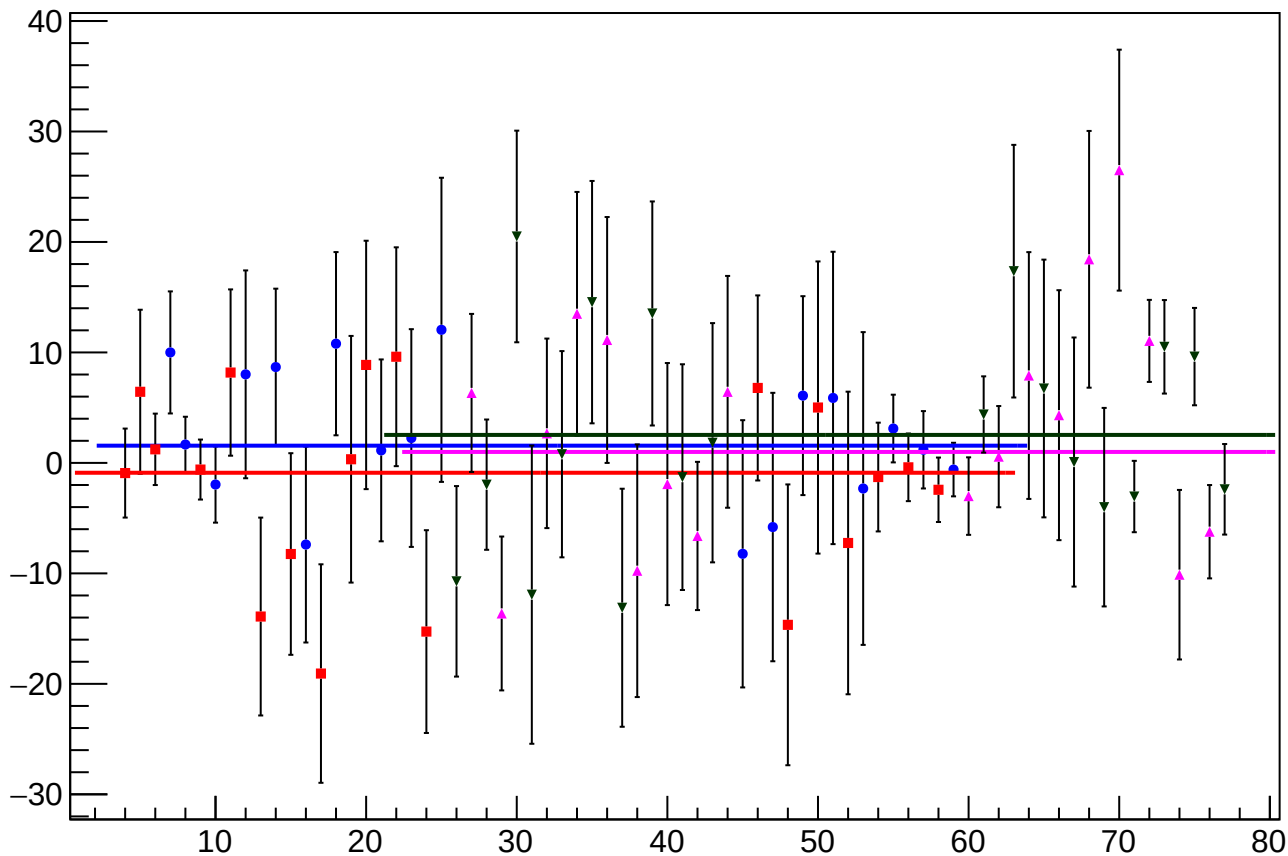
1596.094 $\pm$ 0.249 χ^2 /NDF: 1406998.2/36

Right Out: 1614.182 $\pm$ 0.367 χ^2 /NDF: 670373.5/18

1599.993 $\pm$ 0.256 χ^2 /NDF: 1236774.5/36

Left In: 1586.620 $\pm$ 0.356 χ^2 /NDF: 563496.9/17

diff_bpm4aY_mean vs slug



Right In: 1.560 ± 1.148 χ^2/NDF : 10.2/17

Left Out: 2.533 ± 1.419 χ^2/NDF : 25.5/18

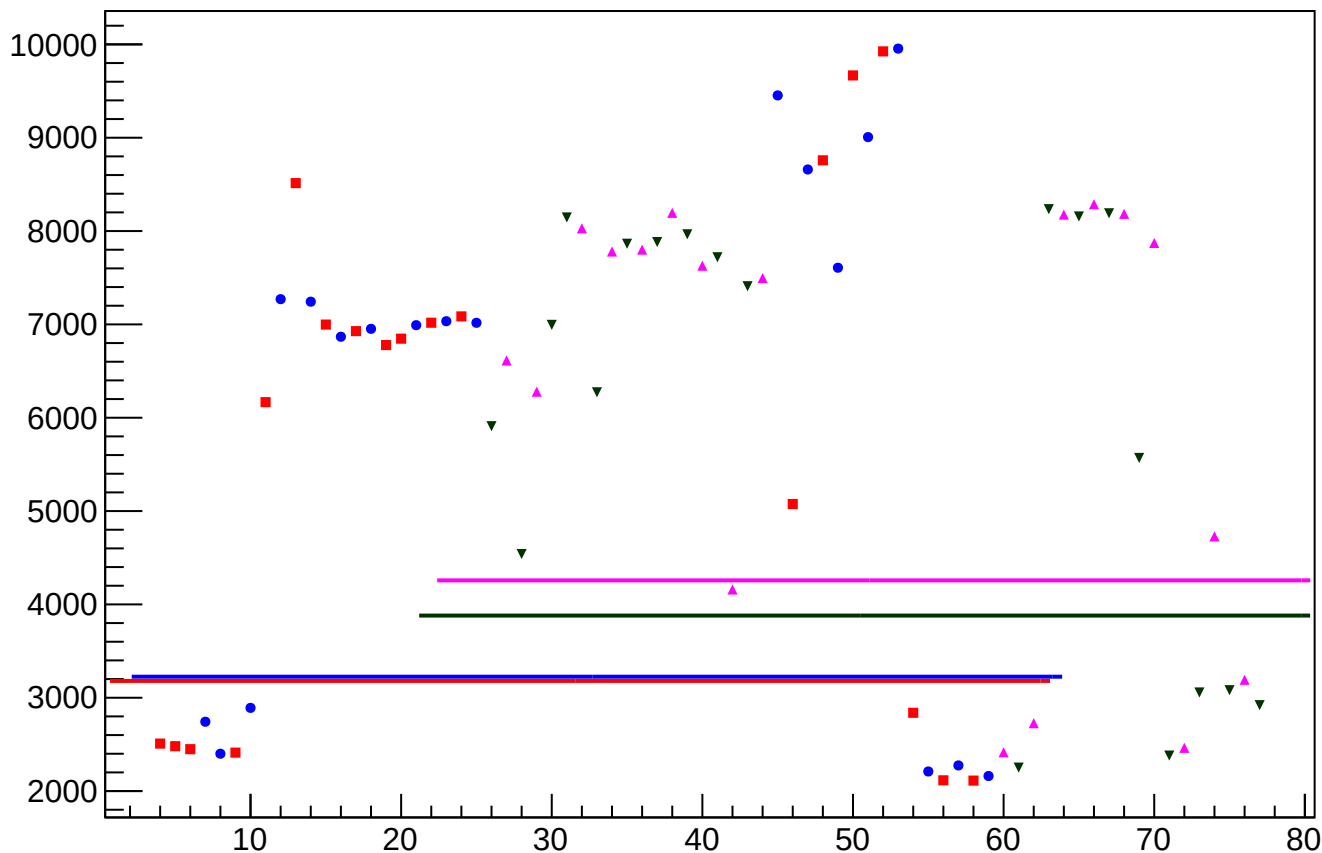
Right Out: -0.892 ± 1.197 χ^2/NDF : 16.1/18

Left In: 0.993 ± 1.537 χ^2/NDF : 31.5/17

1.945 ± 0.893 χ^2/NDF : 36.0/36

-0.181 ± 0.944 χ^2/NDF : 48.5/36

diff_bpm4aY_rms vs slug



Right In: 3225.359+/-0.812 χ^2/NDF : 5860780.1/17

Left Out: 3880.382+/-1.003 χ^2/NDF : 4086980.9/18

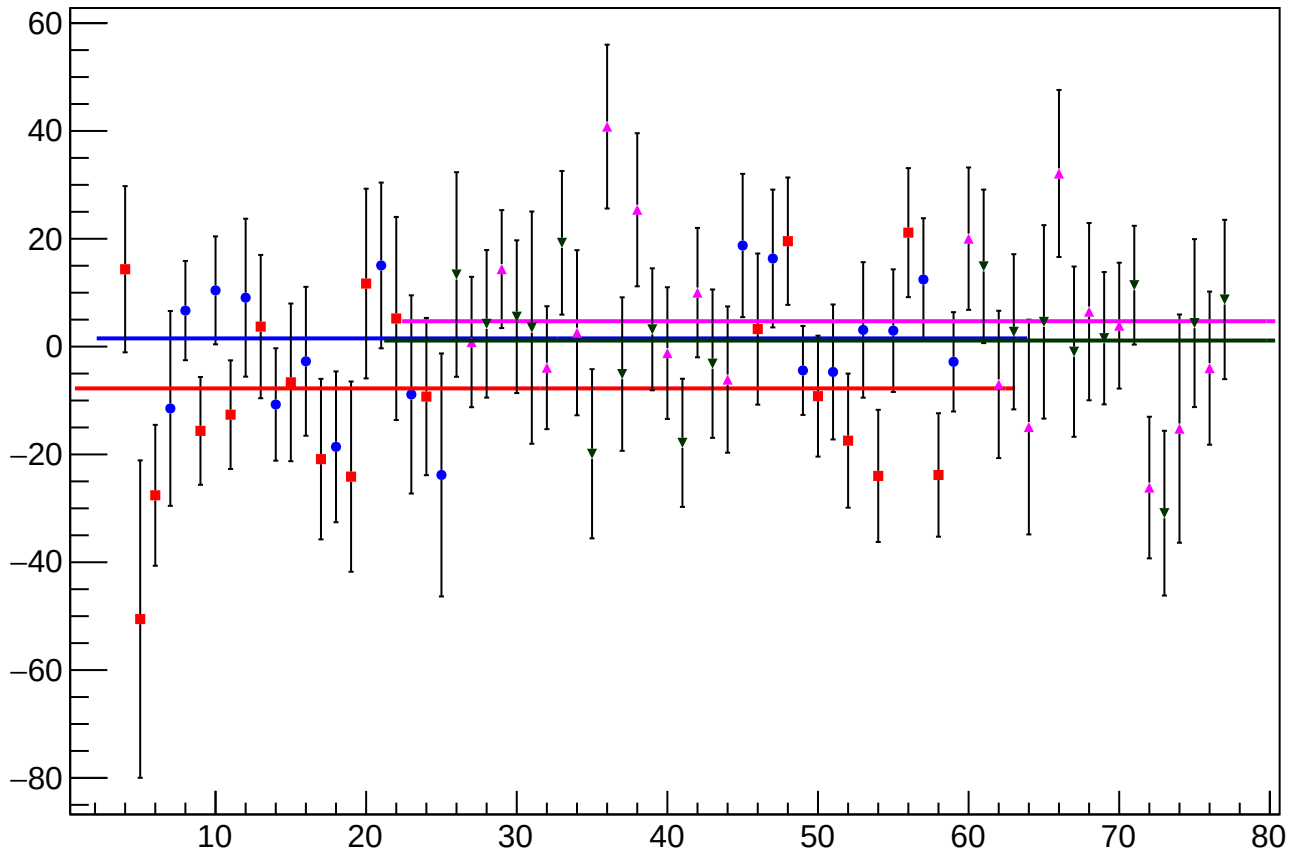
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 4257.618+/-1.087 χ^2/NDF : 4120639.7/17

3484.594+/-0.631 χ^2/NDF : 10205305.2/36

3586.915+/-0.668 χ^2/NDF : 9785992.5/36

diff_bpm4eX_mean vs slug



Right In: 1.521 ± 2.832 χ^2/NDF : 12.8/17

Left Out: 1.125 ± 3.248 χ^2/NDF : 13.7/18

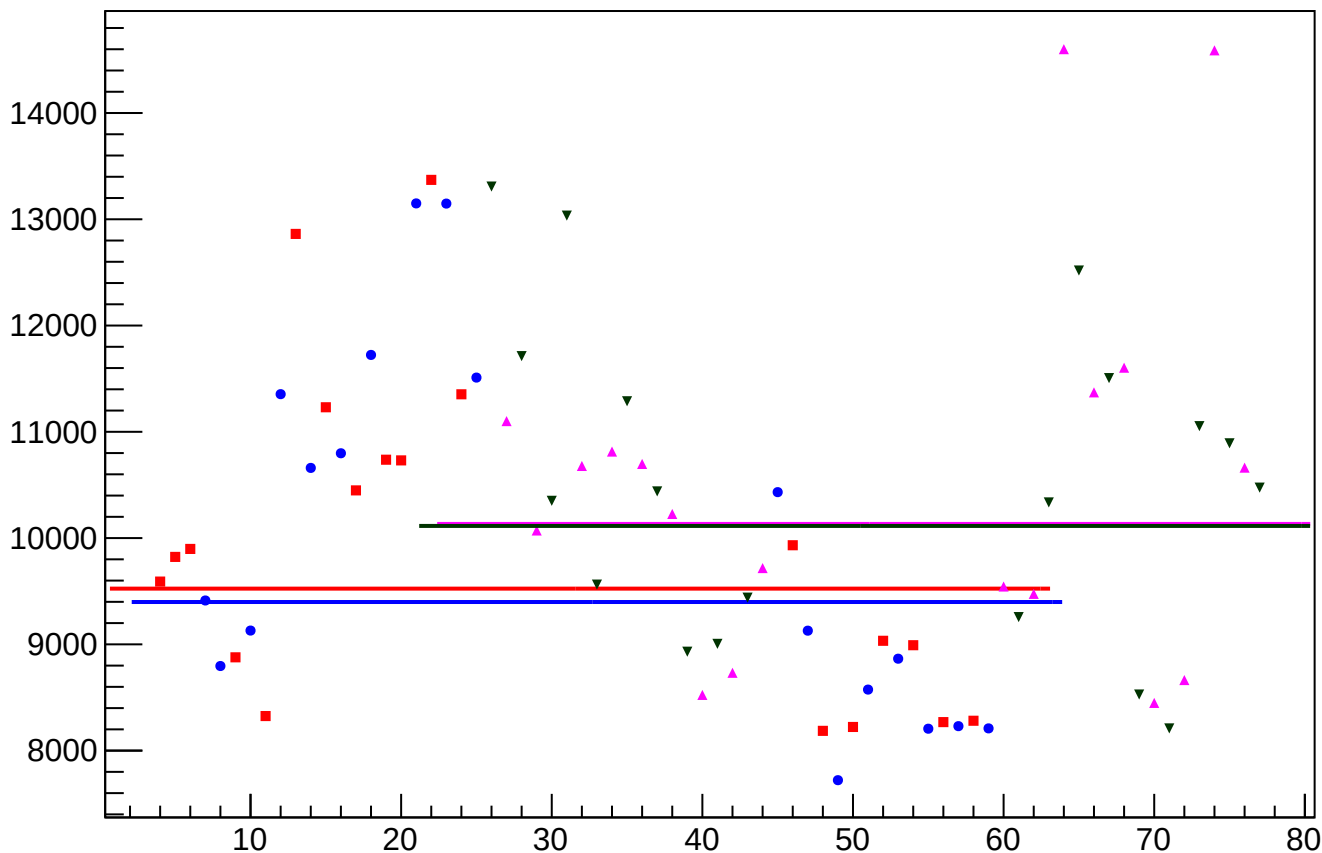
Right Out: -7.752 ± 3.046 χ^2/NDF : 27.5/18

Left In: 4.709 ± 3.205 χ^2/NDF : 23.3/17

1.350 ± 2.135 χ^2/NDF : 26.4/36

-1.840 ± 2.208 χ^2/NDF : 58.8/36

diff_bpm4eX_rms vs slug



Right In: 9398.368 $\pm$ 2.003 χ^2 /NDF: 554872.2/17

Left Out: 10114.374 $\pm$ 2.297 χ^2 /NDF: 347116.2/18

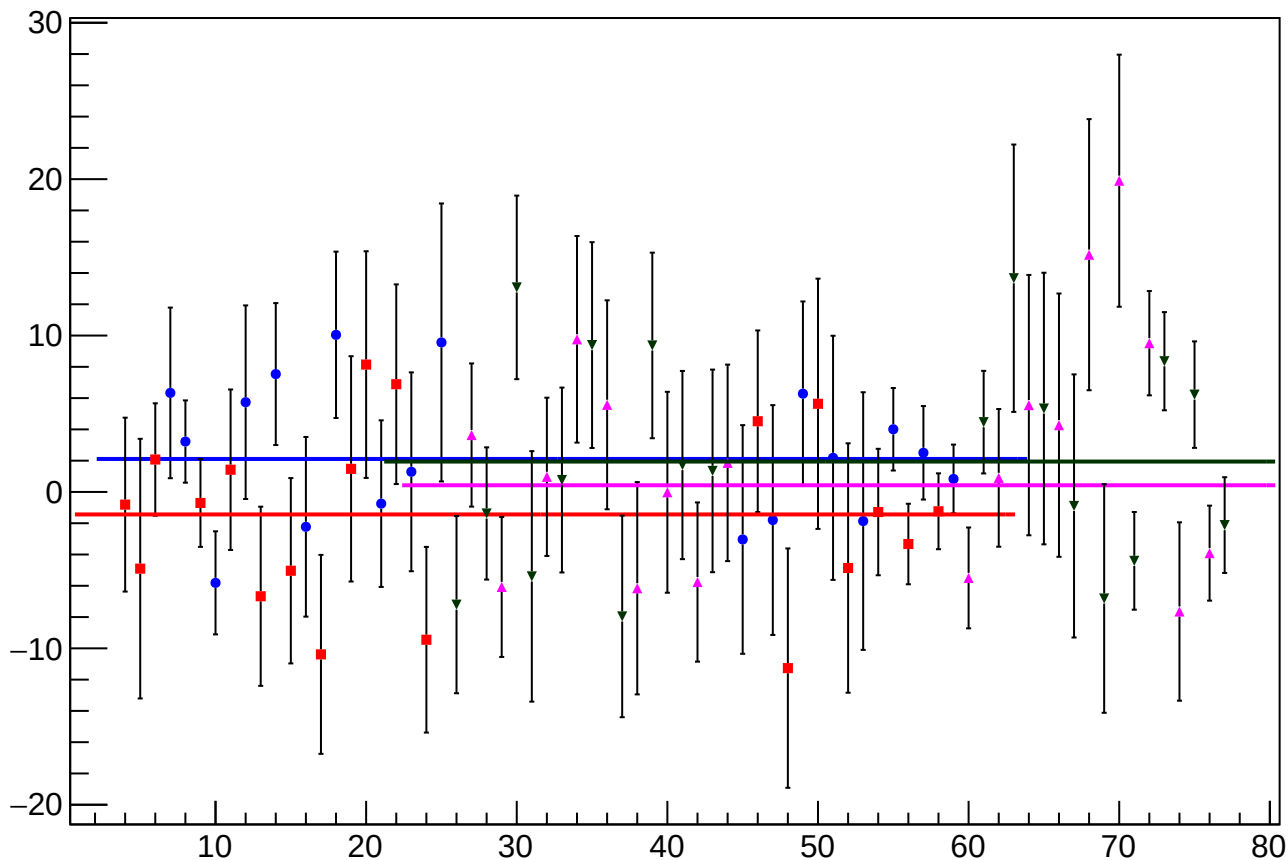
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

Left In: 10133.096 $\pm$ 2.267 χ^2 /NDF: 384119.7/17

9707.652 $\pm$ 1.509 χ^2 /NDF: 957198.0/36

9813.151 $\pm$ 1.561 χ^2 /NDF: 862193.7/36

diff_bpm4eY_mean vs slug



Right In: 2.110 ± 0.979 $\chi^2/\text{NDF}: 14.5/17$

Left Out: 1.944 ± 1.093 $\chi^2/\text{NDF}: 28.7/18$

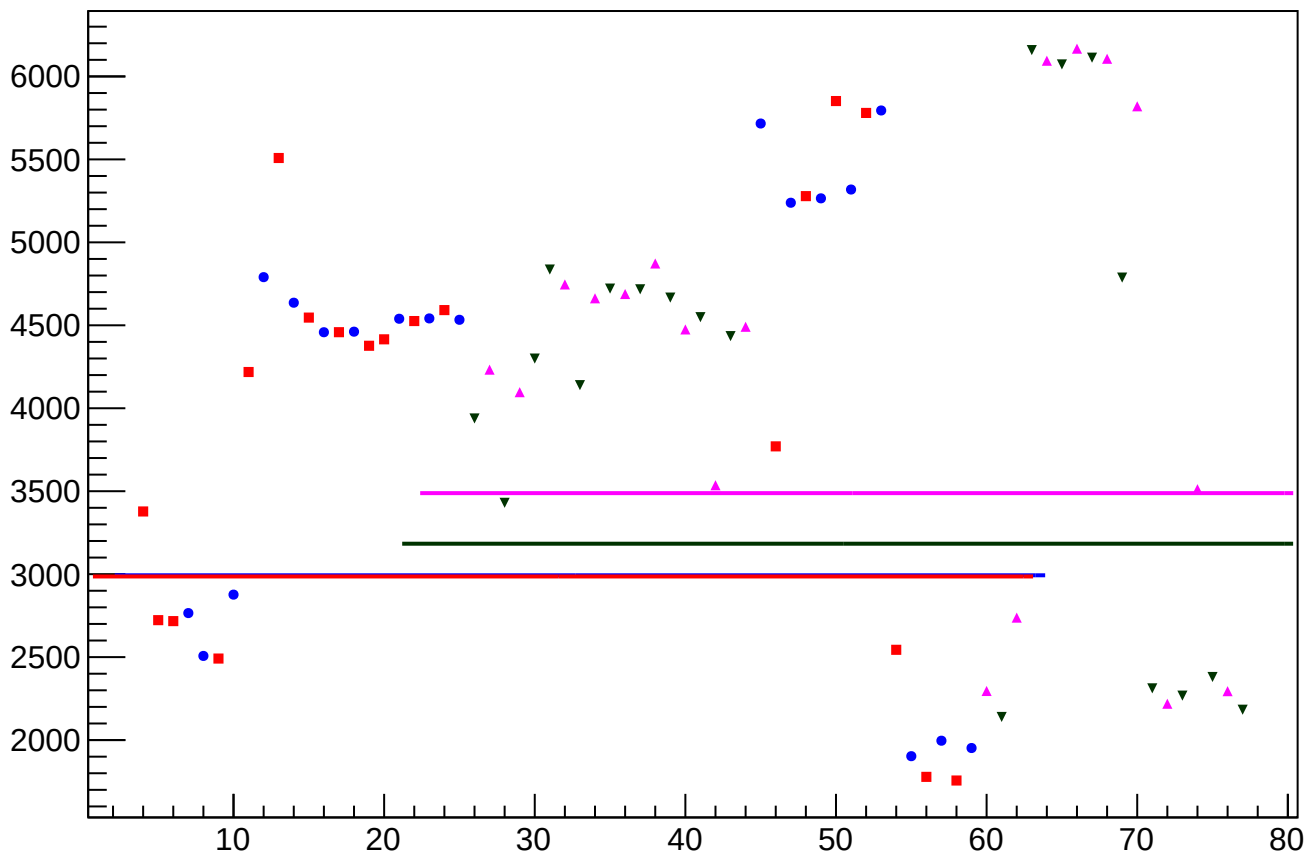
Right Out: -1.438 ± 1.040 $\chi^2/\text{NDF}: 14.4/18$

Left In: 0.428 ± 1.174 $\chi^2/\text{NDF}: 31.9/17$

2.036 ± 0.729 $\chi^2/\text{NDF}: 43.3/36$

-0.617 ± 0.778 $\chi^2/\text{NDF}: 47.6/36$

diff_bpm4eY_rms vs slug



Right In: 2993.228+/-0.692 χ^2/NDF : 3318124.3/17

Left Out: 3183.565+/-0.773 χ^2/NDF :2433597.0/18

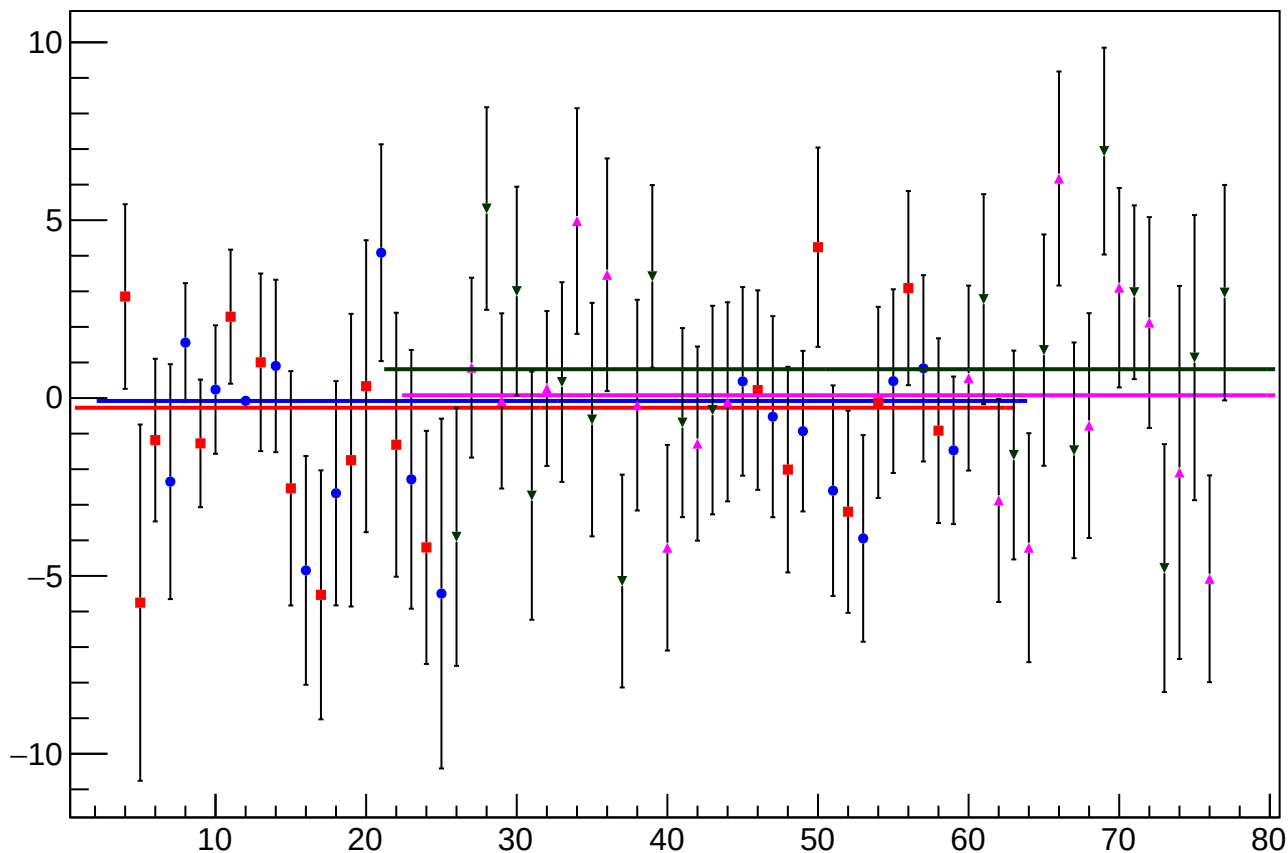
Right Out: 2986.116+/-0.736 χ^2/NDF : 2945634.2/18

Left In: 3488.413+/-0.830 χ^2/NDF :2201642.9/17

3077.970+/-0.516 χ^2/NDF : 5785371.9/36

3207.117+/-0.550 χ^2/NDF : 5352442.0/36

diff_bpm4acX_mean vs slug



Right In: -0.082 ± 0.060 χ^2/NDF : 11.3/17

Left Out: 0.811 ± 0.688 χ^2/NDF : 21.5/18

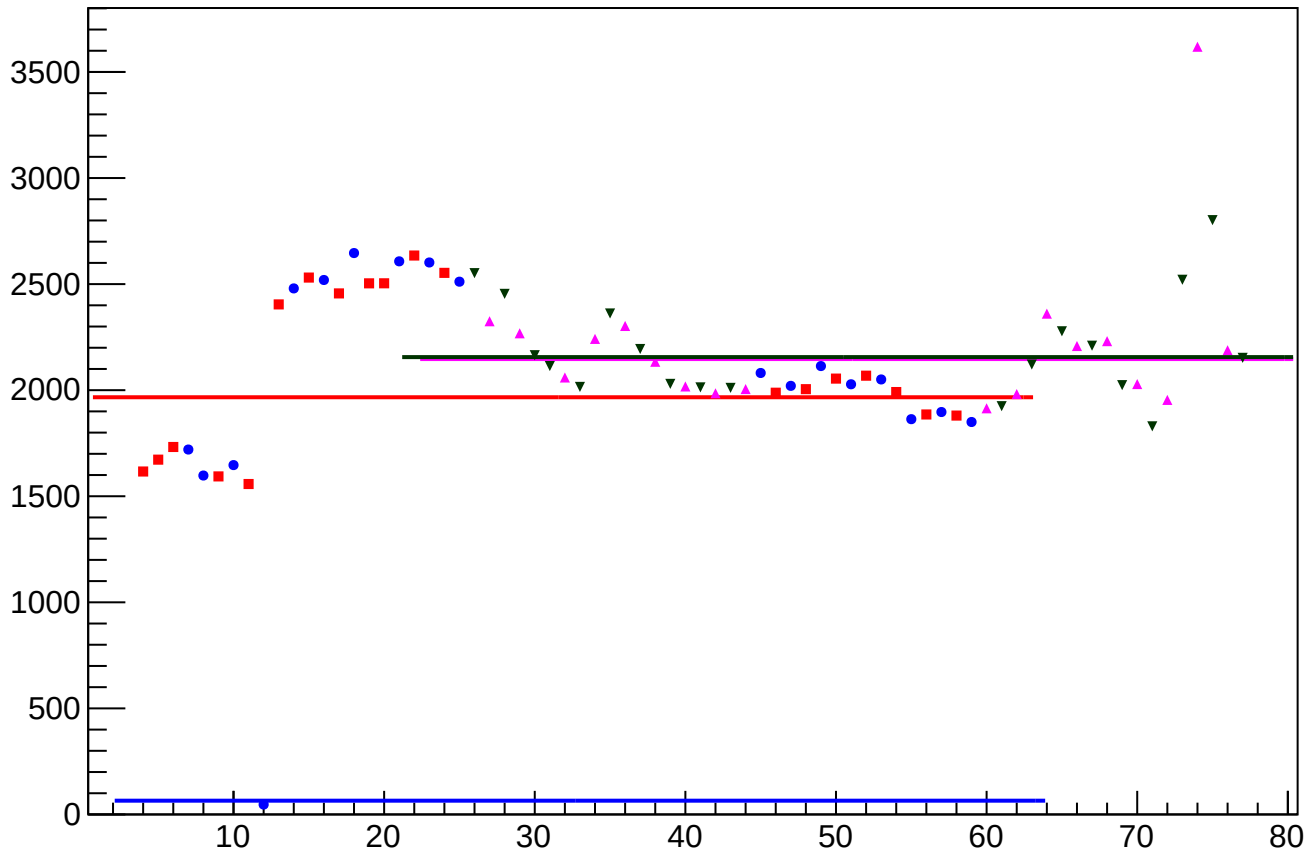
Right Out: -0.272 ± 0.631 χ^2/NDF : 15.3/18

Left In: 0.079 ± 0.675 χ^2/NDF : 18.0/17

-0.075 ± 0.060 χ^2/NDF : 34.4/36

-0.109 ± 0.461 χ^2/NDF : 33.4/36

diff_bpm4acX_rms vs slug



Right In: 64.916+/-0.042 χ^2 /NDF: 20258480.2/17

Left Out: 2155.881+/-0.487 χ^2 /NDF:204405.8/18

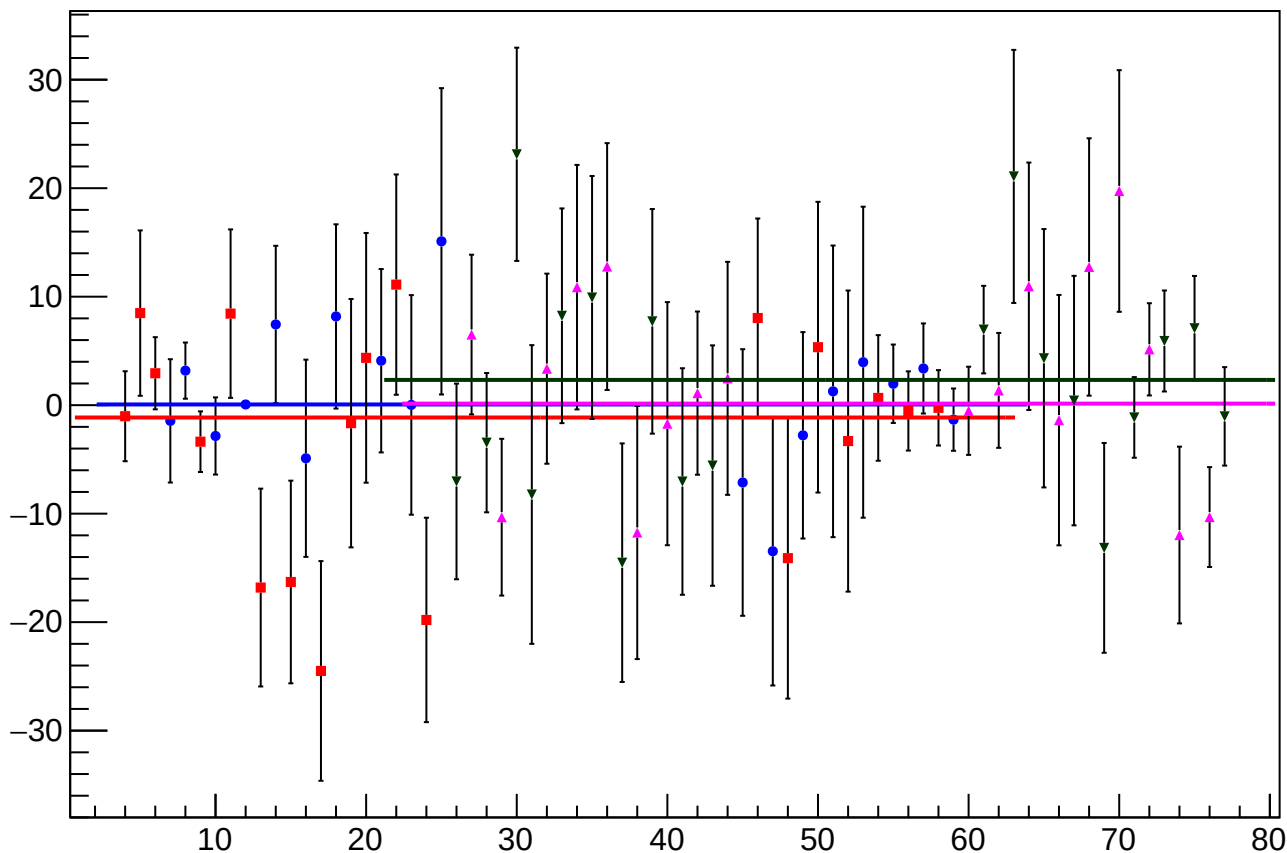
Right Out: 1966.634+/-0.446 χ^2 /NDF: 610680.3/18

Left In: 2146.684+/-0.477 χ^2 /NDF:244243.3/17

80.717+/-0.042 χ^2 /NDF: 38795124.6/36

2050.625+/-0.326 χ^2 /NDF: 930834.1/36

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 χ^2/NDF : 8.7/17

Left Out: 2.327 ± 1.563 χ^2/NDF : 21.2/18

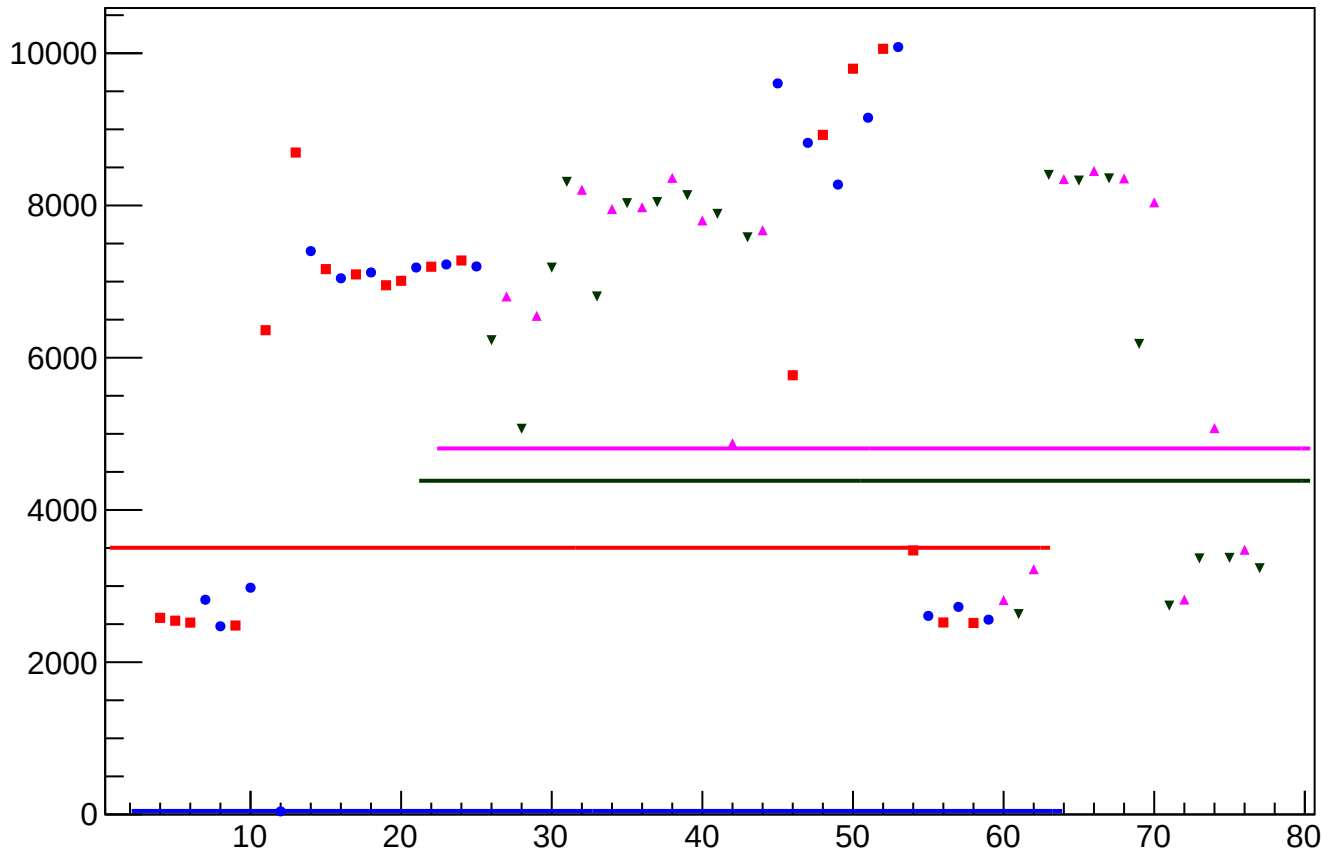
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

Left In: 0.142 ± 1.685 χ^2/NDF : 20.2/17

0.068 ± 0.052 χ^2/NDF : 32.0/36

-0.662 ± 1.027 χ^2/NDF : 44.8/36

diff_bpm4acY_rms vs slug



Right In: 46.257+/-0.037 χ^2 /NDF: 20176828.9/17

Left Out: 4383.636+/-1.105 χ^2 /NDF:3483759.5/18

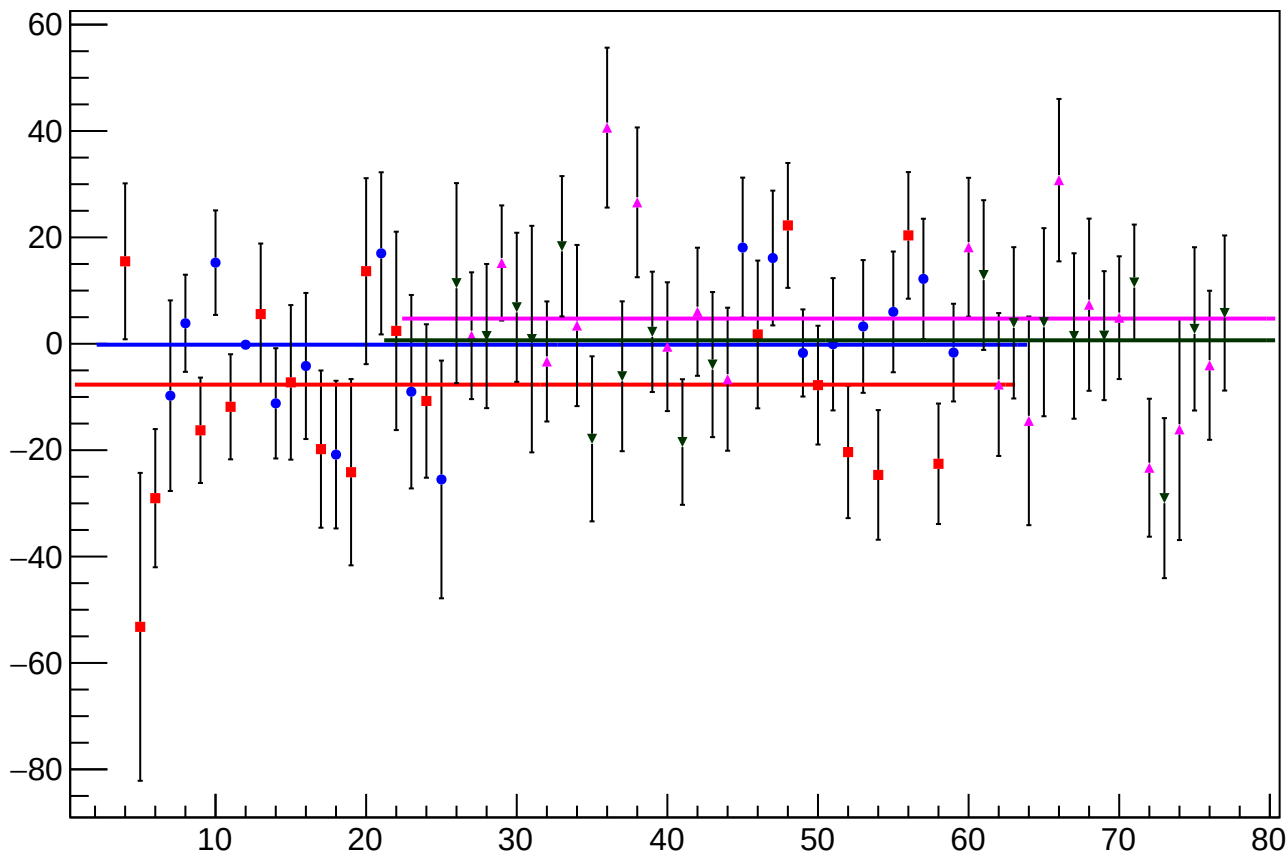
Right Out: 3503.720+/-0.916 χ^2 /NDF: 4669685.2/18

Left In: 4808.052+/-1.192 χ^2 /NDF:3351526.9/17

51.070+/-0.037 χ^2 /NDF: 39054079.6/36

3988.072+/-0.726 χ^2 /NDF: 8774374.6/36

diff_bpm4ecX_mean vs slug



Right In: -0.174 ± 0.106 $\chi^2/\text{NDF}: 14.4/17$

Left Out: 0.655 ± 3.214 $\chi^2/\text{NDF}: 12.6/18$

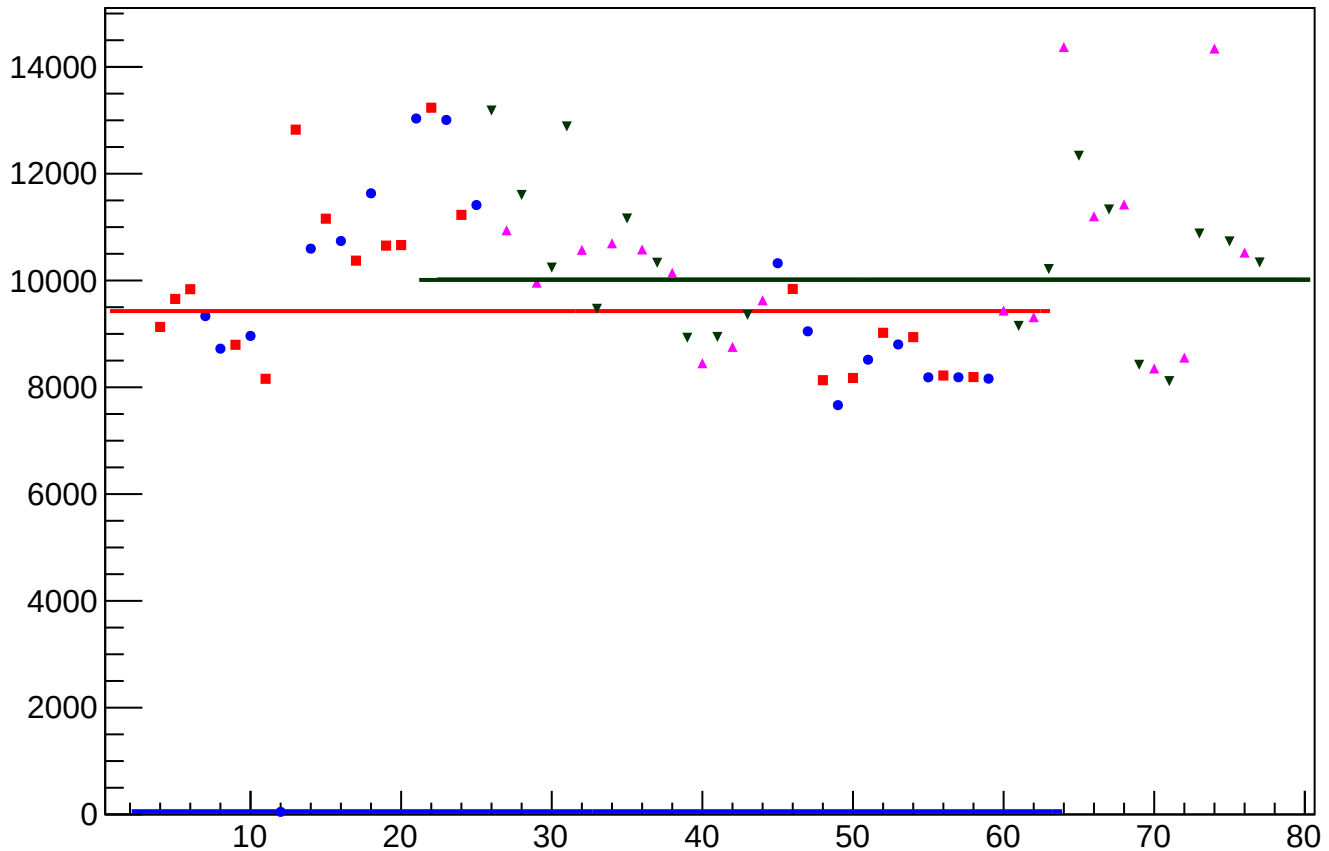
Right Out: -7.679 ± 3.015 $\chi^2/\text{NDF}: 30.2/18$

Left In: 4.736 ± 3.171 $\chi^2/\text{NDF}: 22.4/17$

-0.173 ± 0.106 $\chi^2/\text{NDF}: 27.1/36$

-1.783 ± 2.185 $\chi^2/\text{NDF}: 60.7/36$

diff_bpm4ecX_rms vs slug



Right In: 60.738+/-0.075 χ^2/NDF : 21121924.5/17

Left Out: 10010.620+/-2.273 χ^2/NDF : 340175.1/18

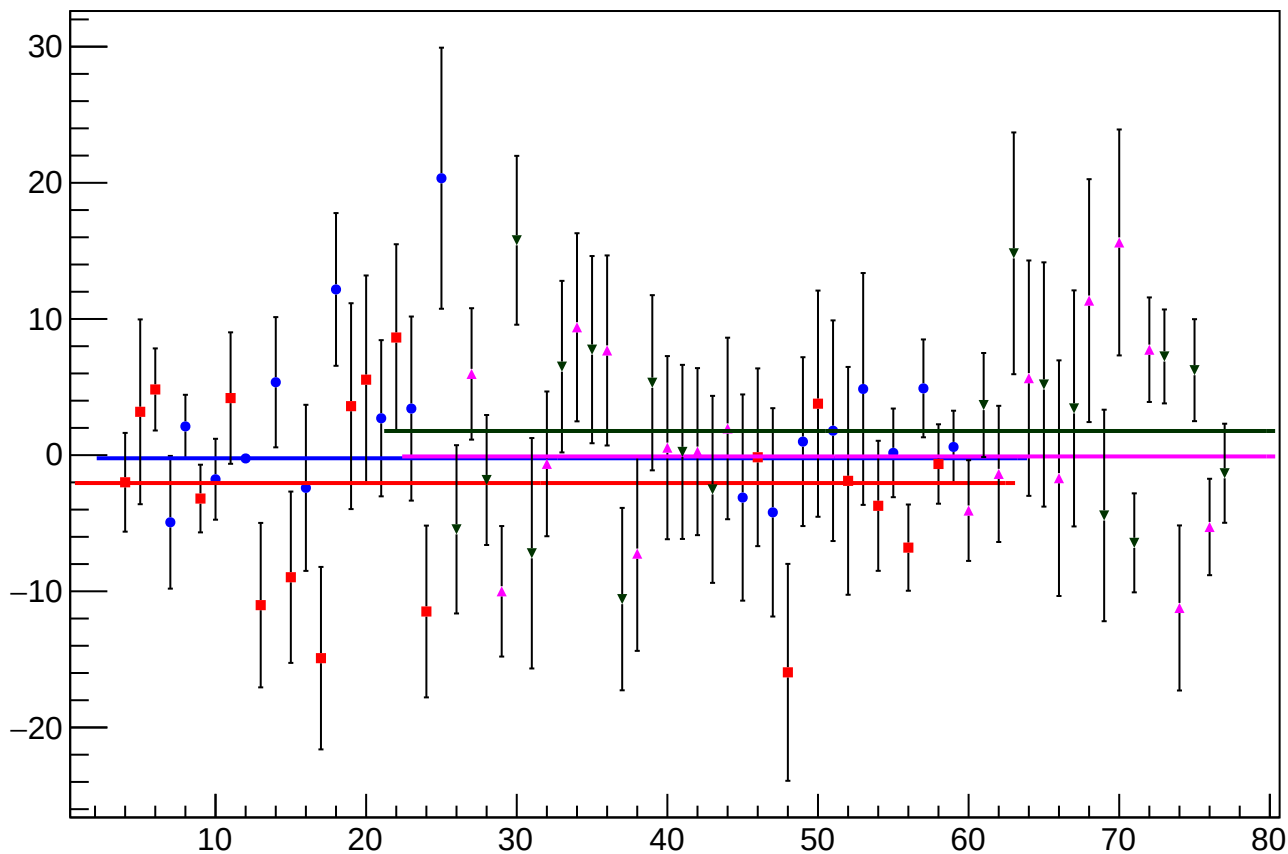
Right Out: 9427.549+/-2.132 χ^2/NDF : 447350.4/18

Left In: 10025.865+/-2.242 χ^2/NDF : 372346.8/17

71.646+/-0.075 χ^2/NDF : 40607818.2/36

9711.716+/-1.545 χ^2/NDF : 857093.1/36

diff_bpm4ecY_mean vs slug



Right In: -0.230 ± 0.090 χ^2/NDF : 16.8/17

Left Out: 1.774 ± 1.214 χ^2/NDF : 26.6/18

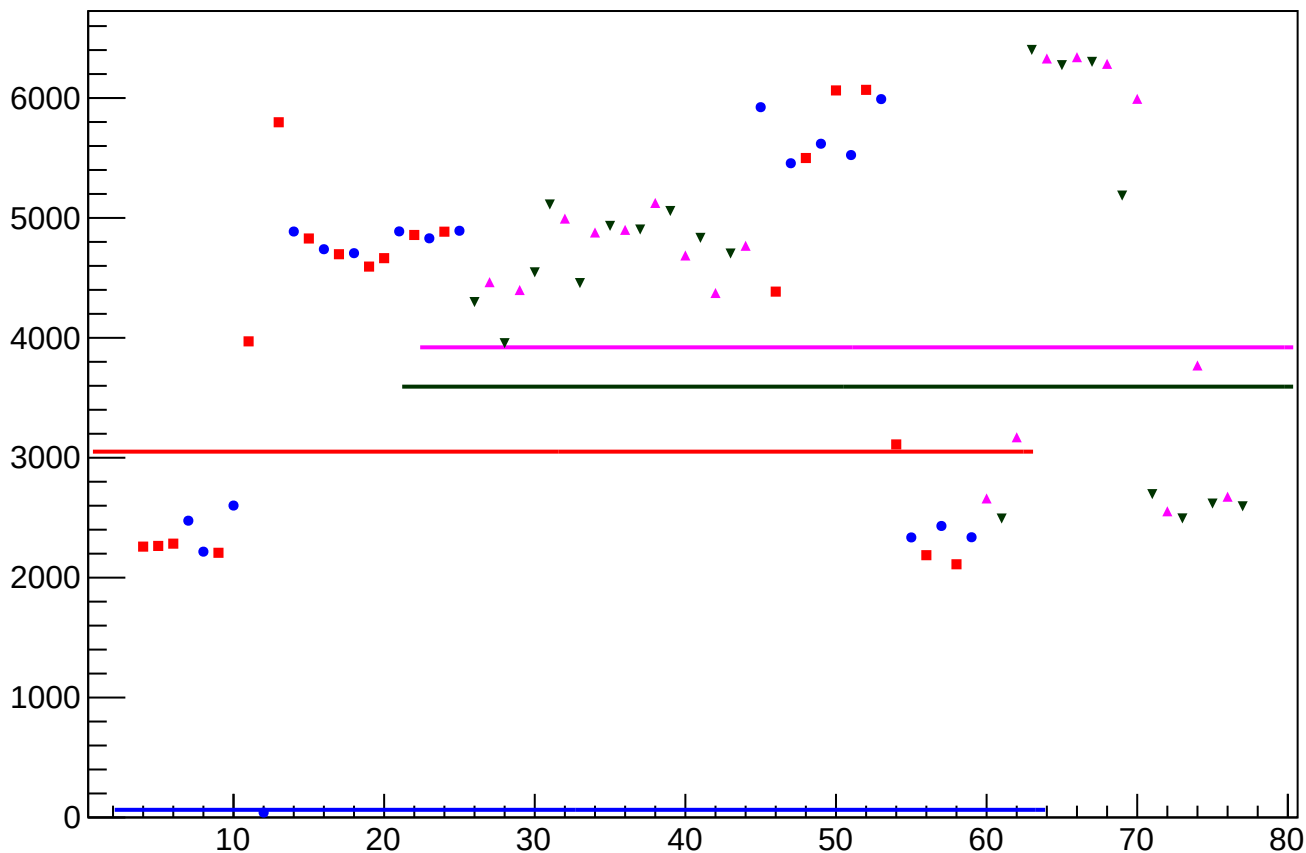
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

Left In: -0.096 ± 1.295 χ^2/NDF : 26.7/17

-0.219 ± 0.090 χ^2/NDF : 46.1/36

-1.270 ± 0.818 χ^2/NDF : 55.3/36

diff_bpm4ecY_rms vs slug



Right In: 63.702+/-0.064 χ^2/NDF : 20268366.8/17

Left Out: 3592.976+/-0.858 χ^2/NDF : 2005501.8/18

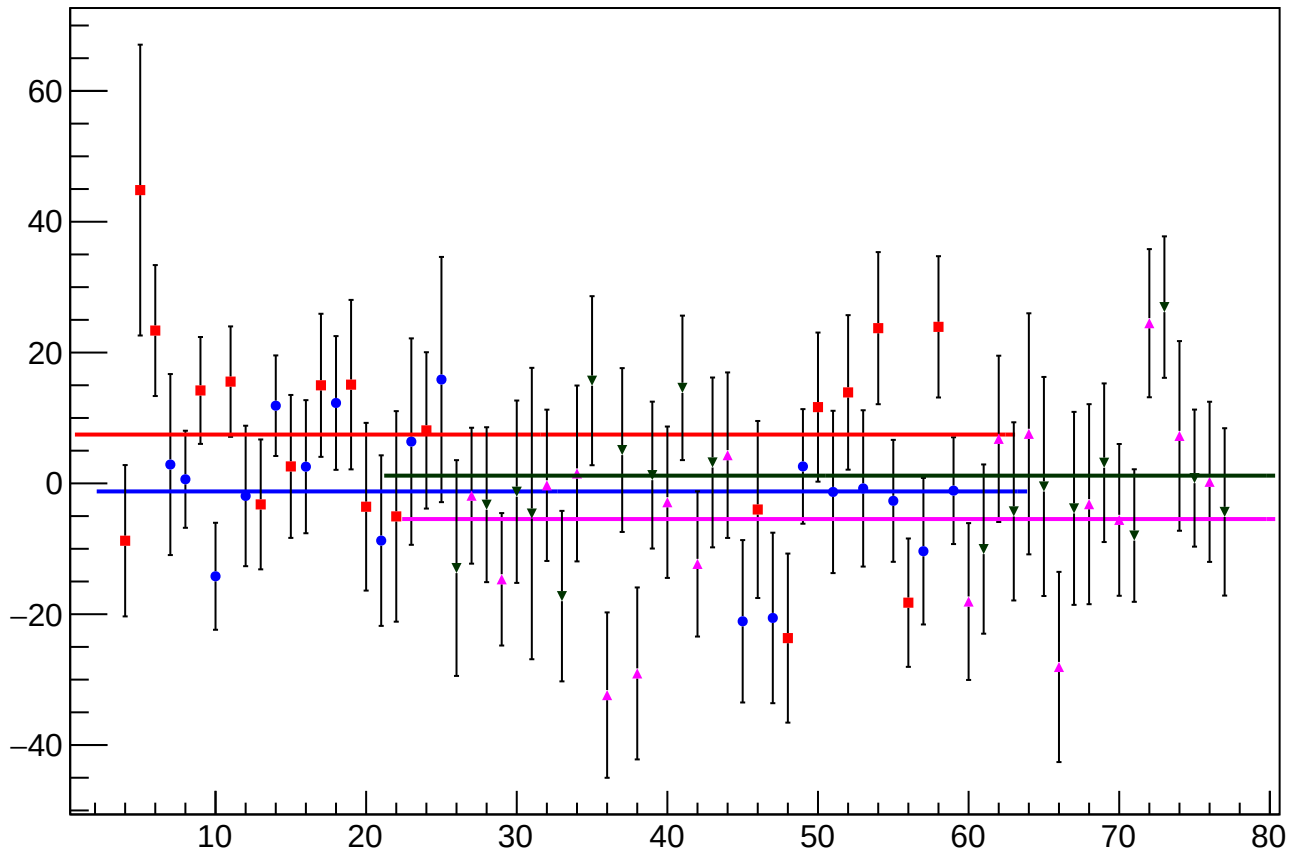
Right Out: 3050.872+/-0.746 χ^2/NDF : 2882138.2/18

Left In: 3920.825+/-0.916 χ^2/NDF : 1687583.7/17

82.924+/-0.063 χ^2/NDF : 39085408.4/36

3397.952+/-0.579 χ^2/NDF : 5111856.8/36

diff_bpm1X_mean vs slug



Right In: -1.229 ± 2.430 χ^2/NDF : 14.5/17

Left Out: 1.183 ± 2.910 χ^2/NDF : 13.6/18

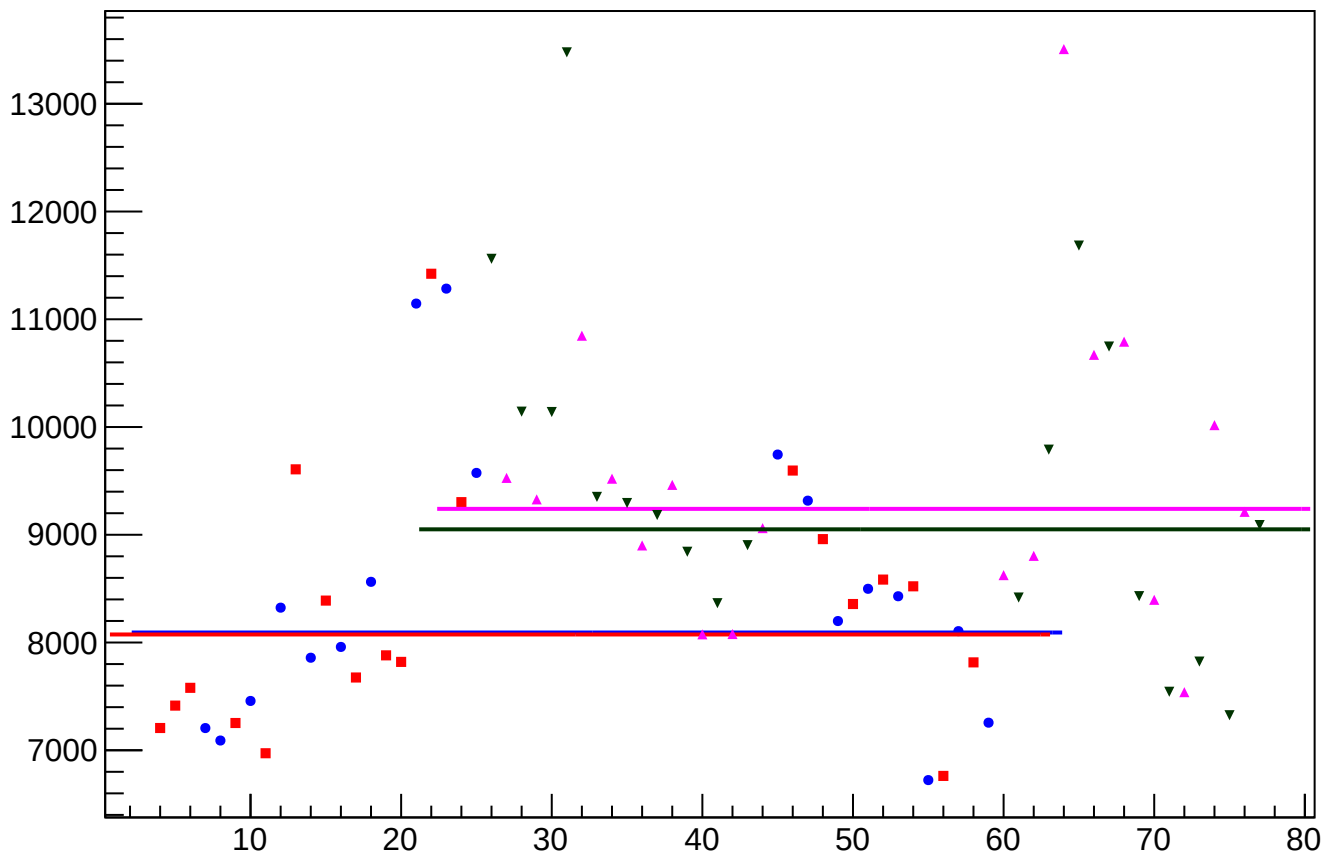
Right Out: 7.465 ± 2.574 χ^2/NDF : 30.5/18

Left In: -5.452 ± 2.915 χ^2/NDF : 23.1/17

-0.237 ± 1.865 χ^2/NDF : 28.5/36

1.807 ± 1.929 χ^2/NDF : 64.7/36

diff_bpm1X_rms vs slug



Right In: 8092.852 $\pm$ 1.719 χ^2 /NDF: 389353.1/17

Left Out: 9050.474 $\pm$ 2.057 χ^2 /NDF:381360.7/18

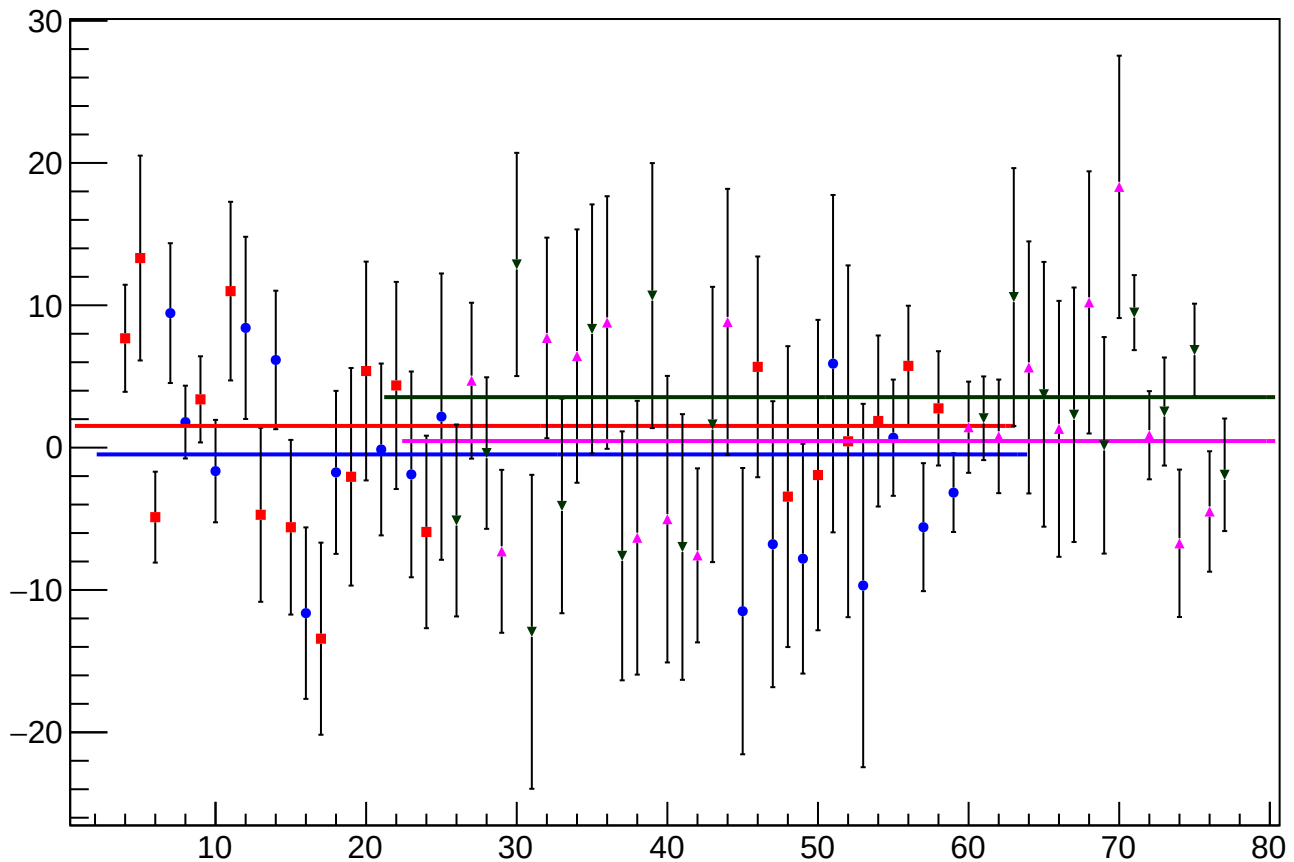
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

Left In: 9240.381 $\pm$ 2.061 χ^2 /NDF:301990.3/17

8486.435 $\pm$ 1.319 χ^2 /NDF: 898326.5/36

8585.262 $\pm$ 1.364 χ^2 /NDF: 794351.7/36

diff_bpm1Y_mean vs slug



Right In: -0.476 ± 1.161 χ^2/NDF : 17.9/17

Left Out: 3.546 ± 1.195 χ^2/NDF : 19.9/18

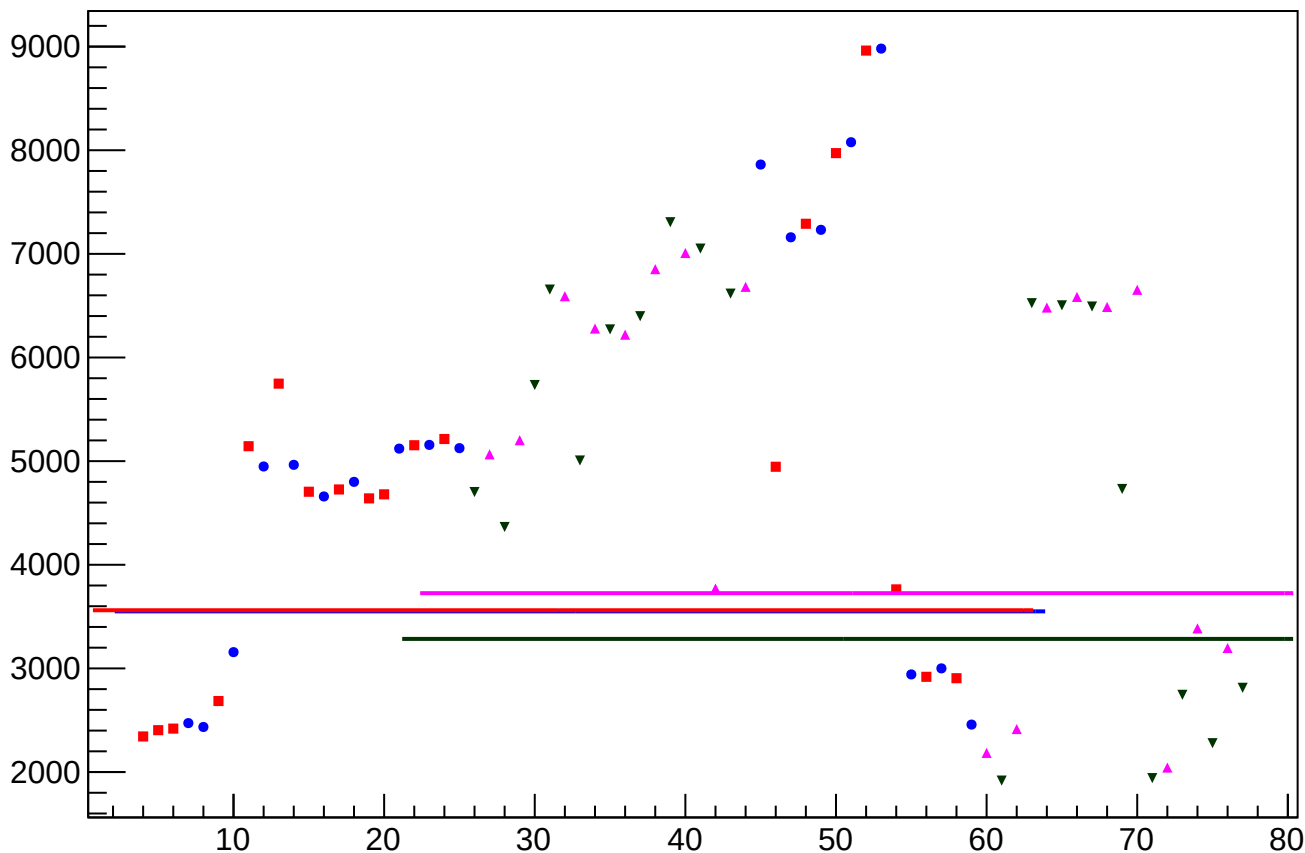
Right Out: 1.525 ± 1.232 χ^2/NDF : 22.9/18

Left In: 0.463 ± 1.319 χ^2/NDF : 16.8/17

1.477 ± 0.833 χ^2/NDF : 43.6/36

1.031 ± 0.900 χ^2/NDF : 40.0/36

diff_bpm1Y_rms vs slug



Right In: 3550.424+/-0.821 χ^2/NDF : 3293988.0/17

Left Out: 3284.664+/-0.845 χ^2/NDF : 4116799.2/18

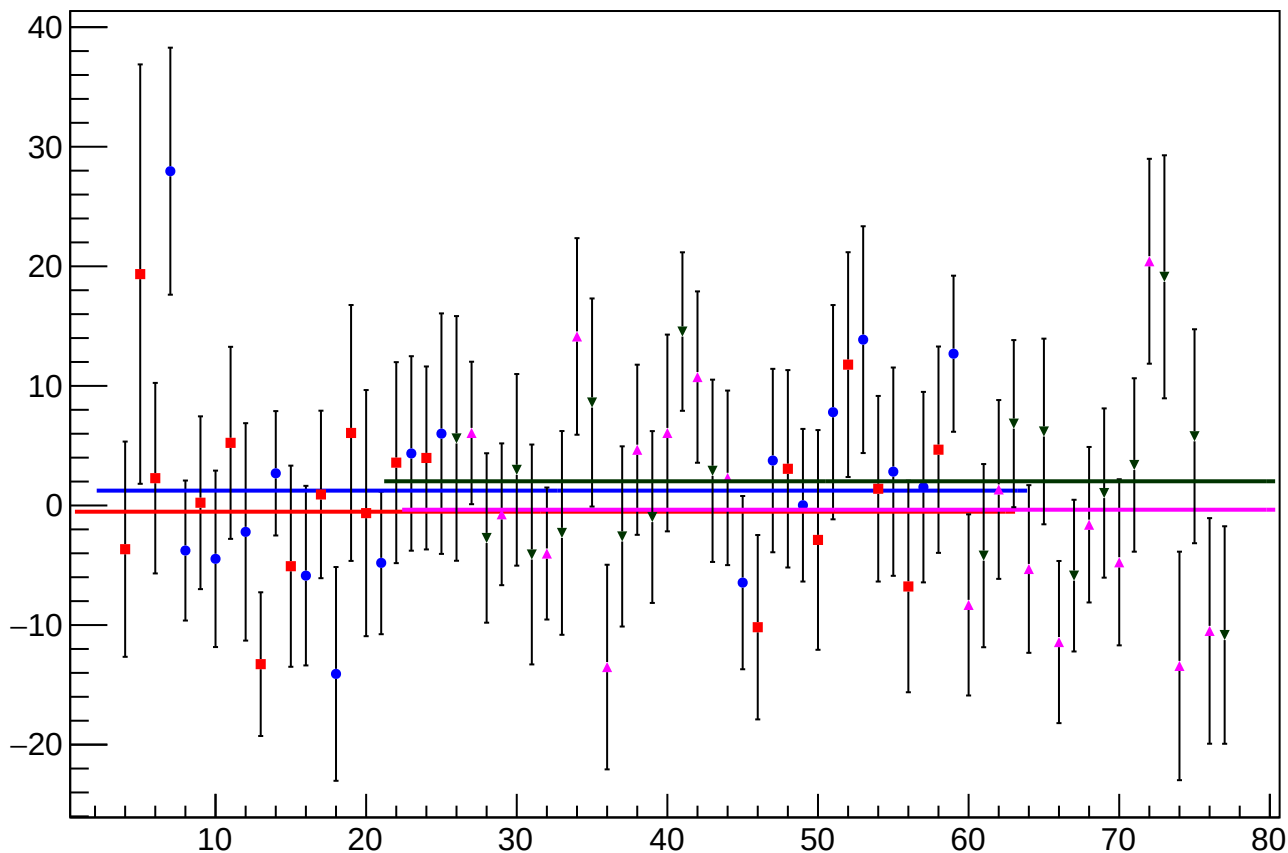
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 3725.887+/-0.933 χ^2/NDF : 3616573.1/17

3421.373+/-0.589 χ^2/NDF : 7461655.6/36

3637.920+/-0.637 χ^2/NDF : 6251441.0/36

diff_bpm11X_mean vs slug



Right In: 1.242 ± 1.752 $\chi^2/\text{NDF}: 20.2/17$

Left Out: 2.023 ± 1.787 $\chi^2/\text{NDF}: 14.0/18$

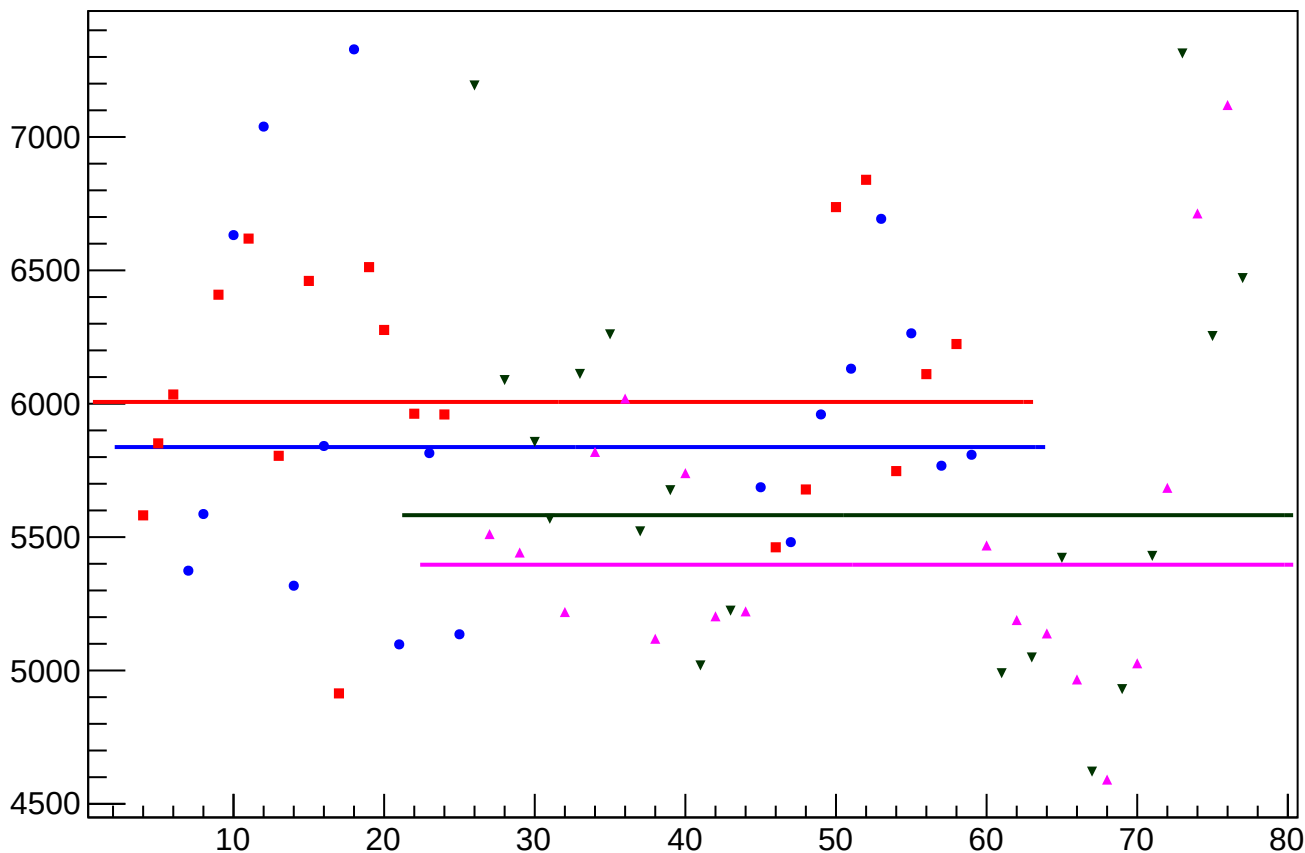
Right Out: -0.521 ± 1.907 $\chi^2/\text{NDF}: 12.3/18$

Left In: -0.356 ± 1.694 $\chi^2/\text{NDF}: 24.4/17$

1.625 ± 1.251 $\chi^2/\text{NDF}: 34.3/36$

-0.429 ± 1.267 $\chi^2/\text{NDF}: 36.7/36$

diff_bpm11X_rms vs slug



Right In: 5837.587 $\pm$ 1.239 χ^2 /NDF: 211311.8/17

Left Out: 5582.239 $\pm$ 1.264 χ^2 /NDF:278024.9/18

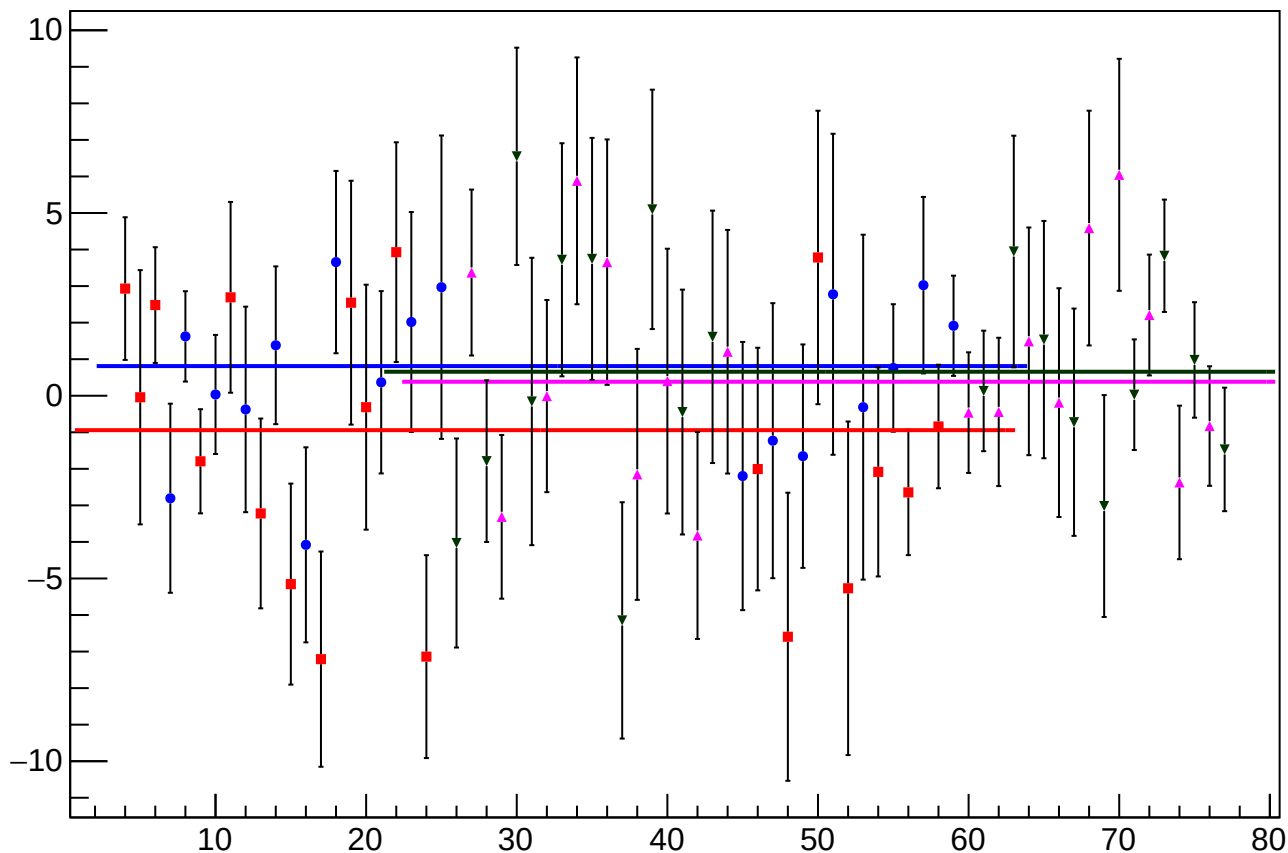
Right Out: 6006.736 $\pm$ 1.348 χ^2 /NDF: 130455.1/18

Left In: 5396.508 $\pm$ 1.198 χ^2 /NDF:183787.1/17

5712.492 $\pm$ 0.885 χ^2 /NDF: 510160.8/36

5665.808 $\pm$ 0.896 χ^2 /NDF: 428716.6/36

diff_bpm11Y_mean vs slug



Right In: 0.811 ± 0.532 $\chi^2/\text{NDF}: 11.3/17$

Left Out: 0.656 ± 0.539 $\chi^2/\text{NDF}: 25.1/18$

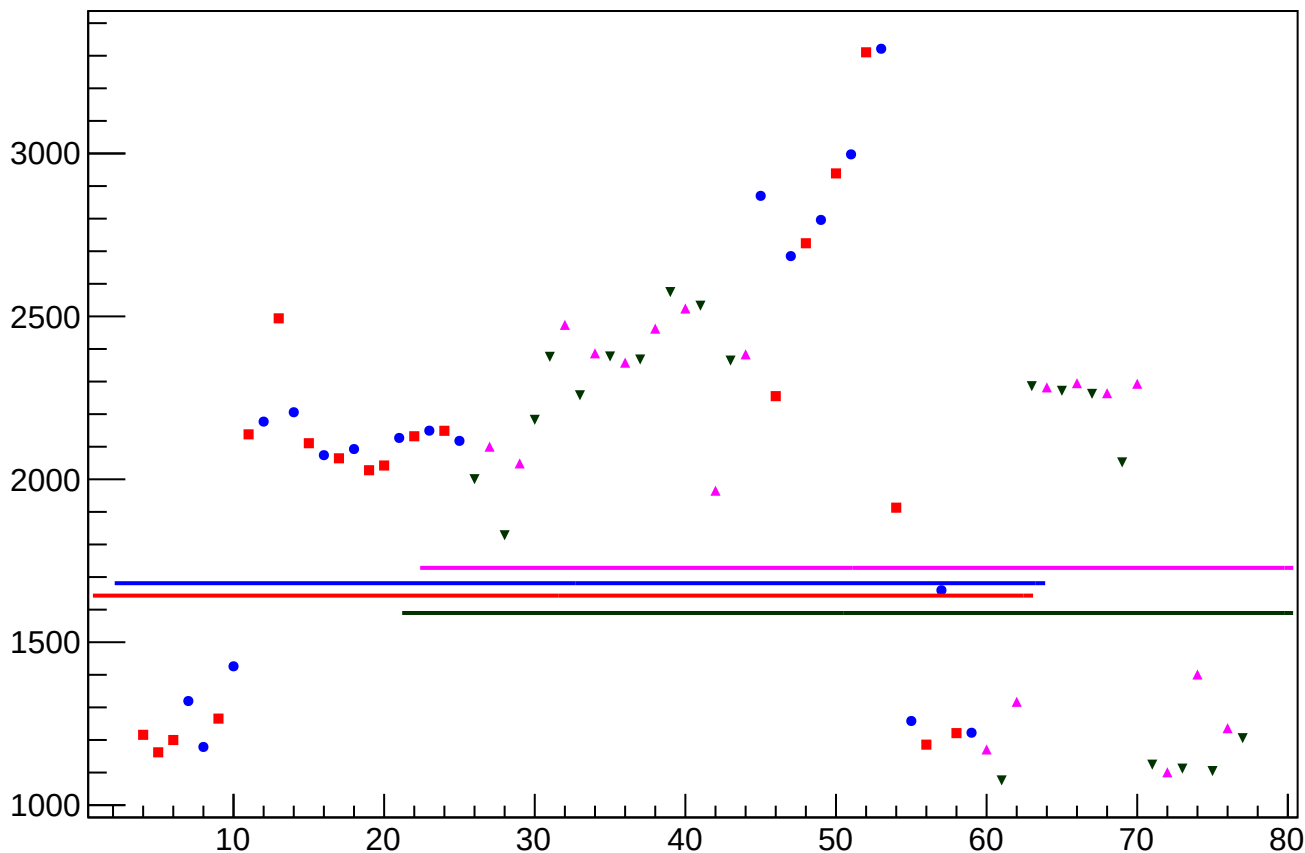
Right Out: -0.942 ± 0.553 $\chi^2/\text{NDF}: 32.9/18$

Left In: 0.382 ± 0.571 $\chi^2/\text{NDF}: 19.9/17$

0.735 ± 0.379 $\chi^2/\text{NDF}: 36.5/36$

-0.302 ± 0.397 $\chi^2/\text{NDF}: 55.6/36$

diff_bpm11Y_rms vs slug



Right In: 1681.167+/-0.376 χ^2/NDF : 2212913.1/17

Left Out: 1589.727+/-0.381 χ^2/NDF : 2174010.2/18

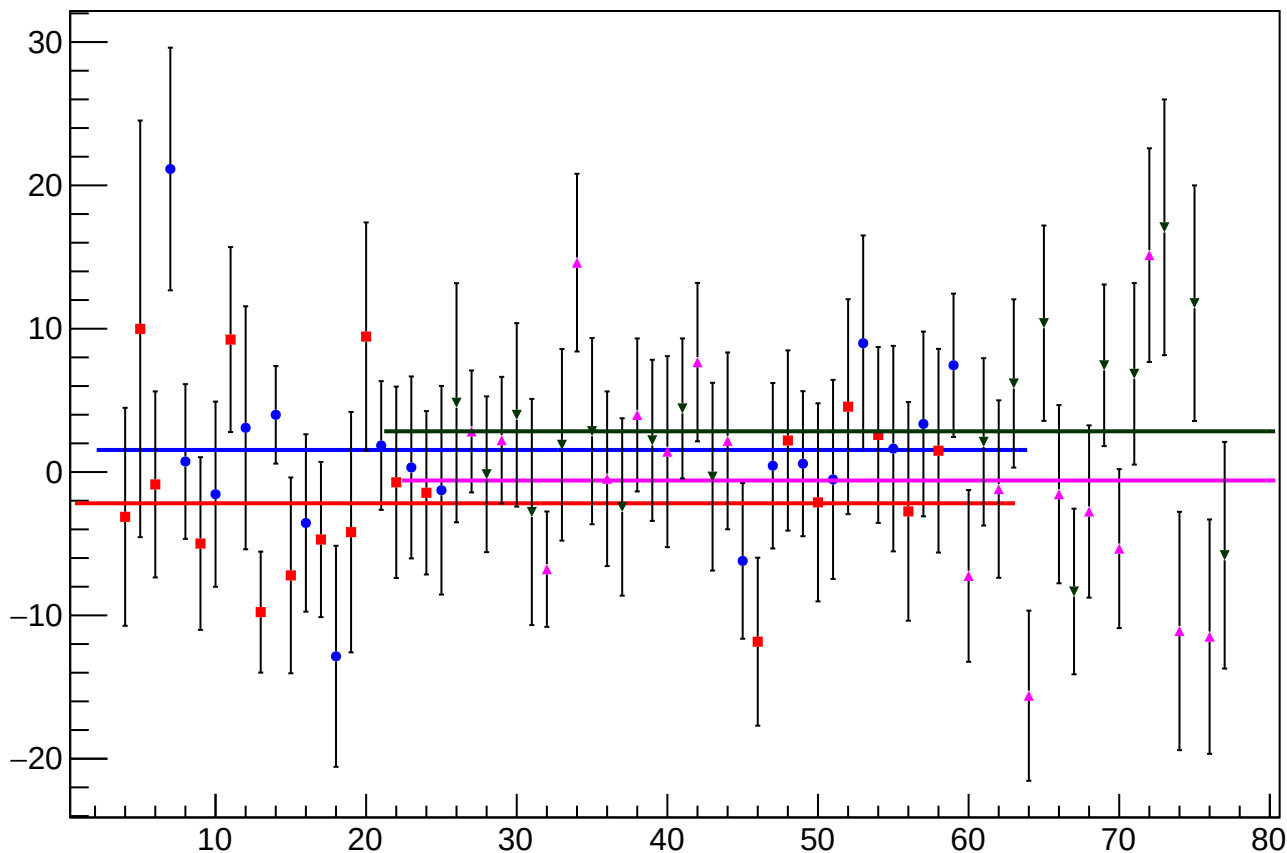
Right Out: 1643.071+/-0.391 χ^2/NDF : 1969332.5/18

Left In: 1728.216+/-0.404 χ^2/NDF : 1757316.2/17

1636.050+/-0.268 χ^2/NDF : 4416072.8/36

1684.255+/-0.281 χ^2/NDF : 3749619.1/36

diff_bpm12X_mean vs slug



Right In: 1.541 ± 1.369 $\chi^2/\text{NDF}: 15.2/17$

Left Out: 2.842 ± 1.463 $\chi^2/\text{NDF}: 13.3/18$

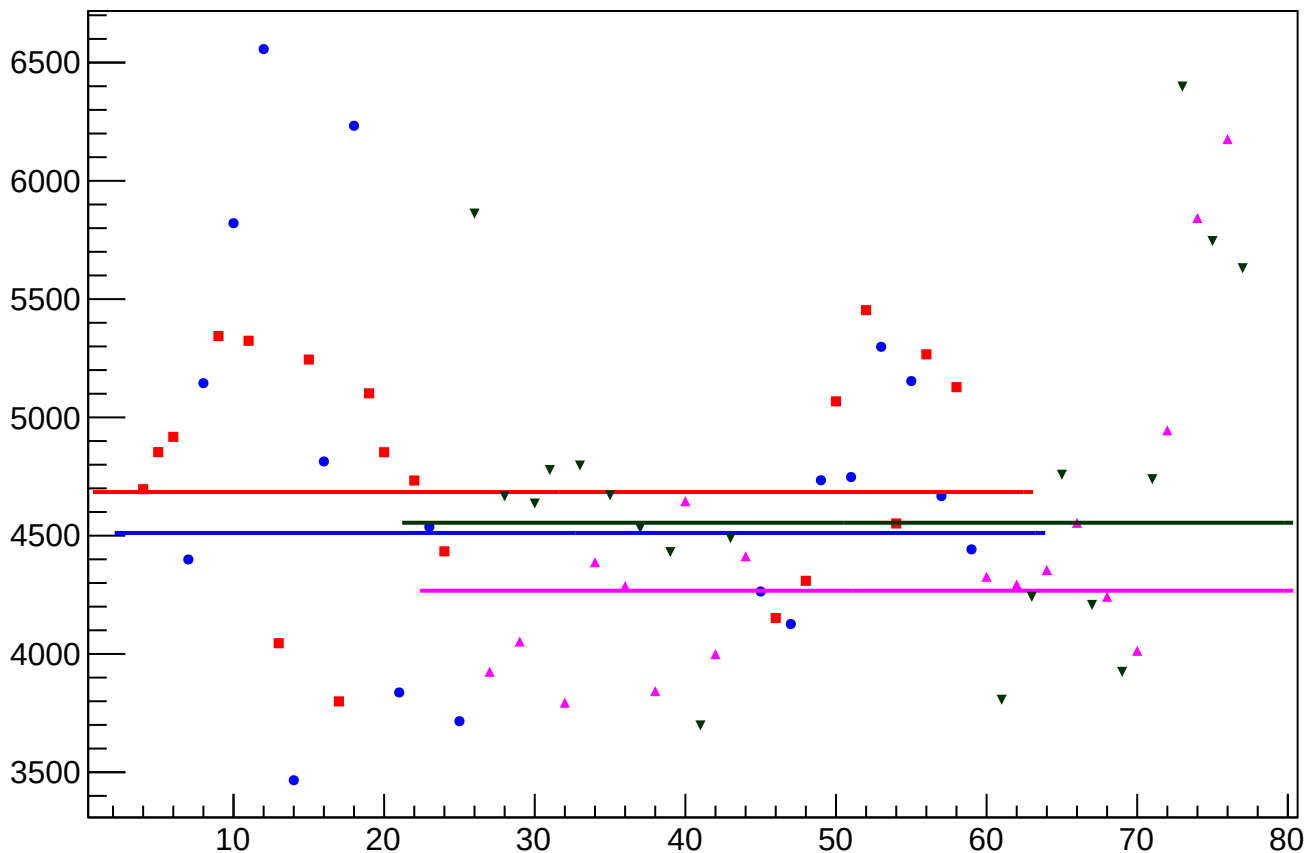
Right Out: -2.180 ± 1.492 $\chi^2/\text{NDF}: 15.2/18$

Left In: -0.589 ± 1.344 $\chi^2/\text{NDF}: 29.0/17$

2.149 ± 1.000 $\chi^2/\text{NDF}: 28.9/36$

-1.301 ± 0.999 $\chi^2/\text{NDF}: 44.9/36$

diff_bpm12X_rms vs slug



Right In: 4511.494+/-0.968 χ^2/NDF : 646999.1/17

Left Out: 4554.624+/-1.034 χ^2/NDF : 356602.3/18

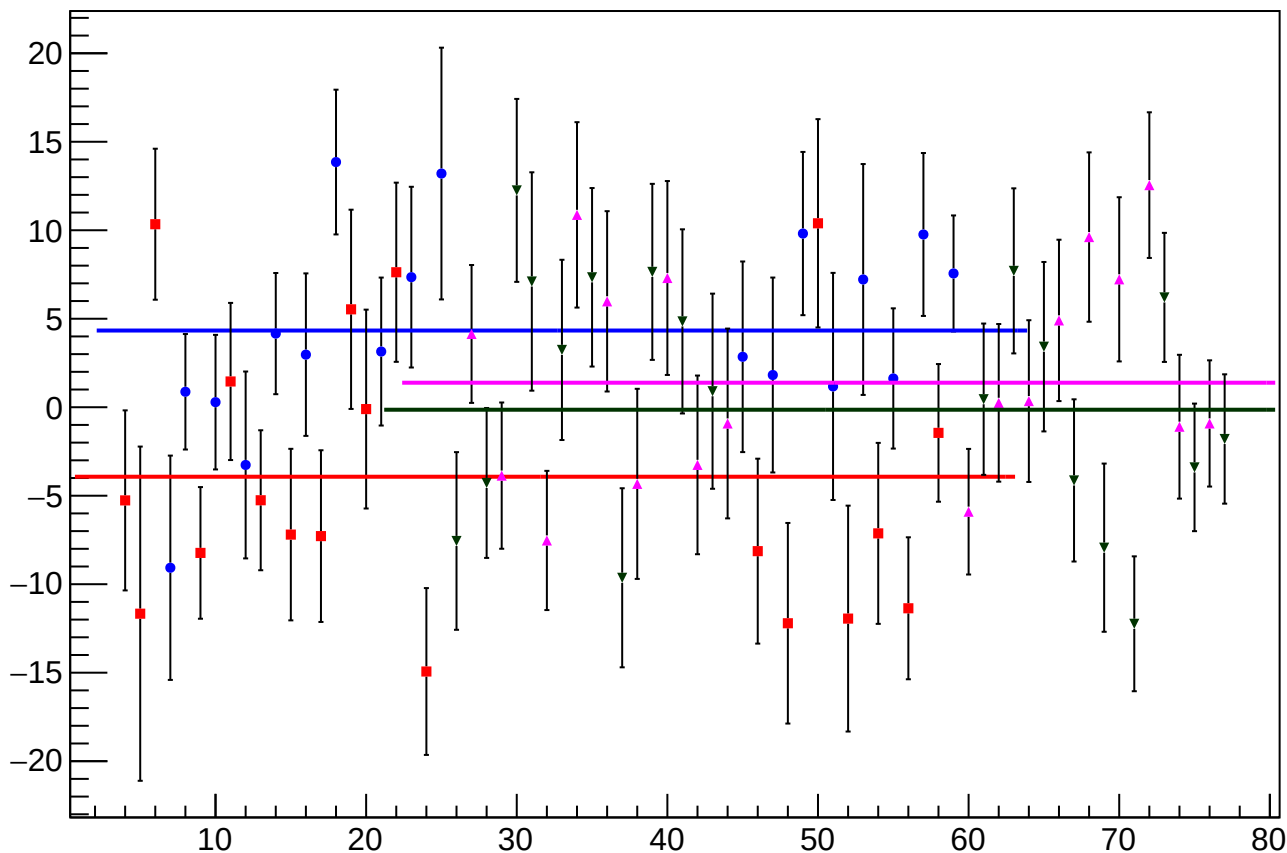
4531.636+/-0.707 χ^2/NDF : 1004528.2/36

Right Out: 4684.391+/-1.055 χ^2/NDF : 240230.9/18

4454.142+/-0.706 χ^2/NDF : 604126.1/36

Left In: 4267.419+/-0.950 χ^2/NDF : 277690.0/17

diff_bpm12Y_mean vs slug



Right In: 4.334 ± 1.055 χ^2/NDF : 21.3/17

Left Out: -0.141 ± 1.043 χ^2/NDF : 40.8/18

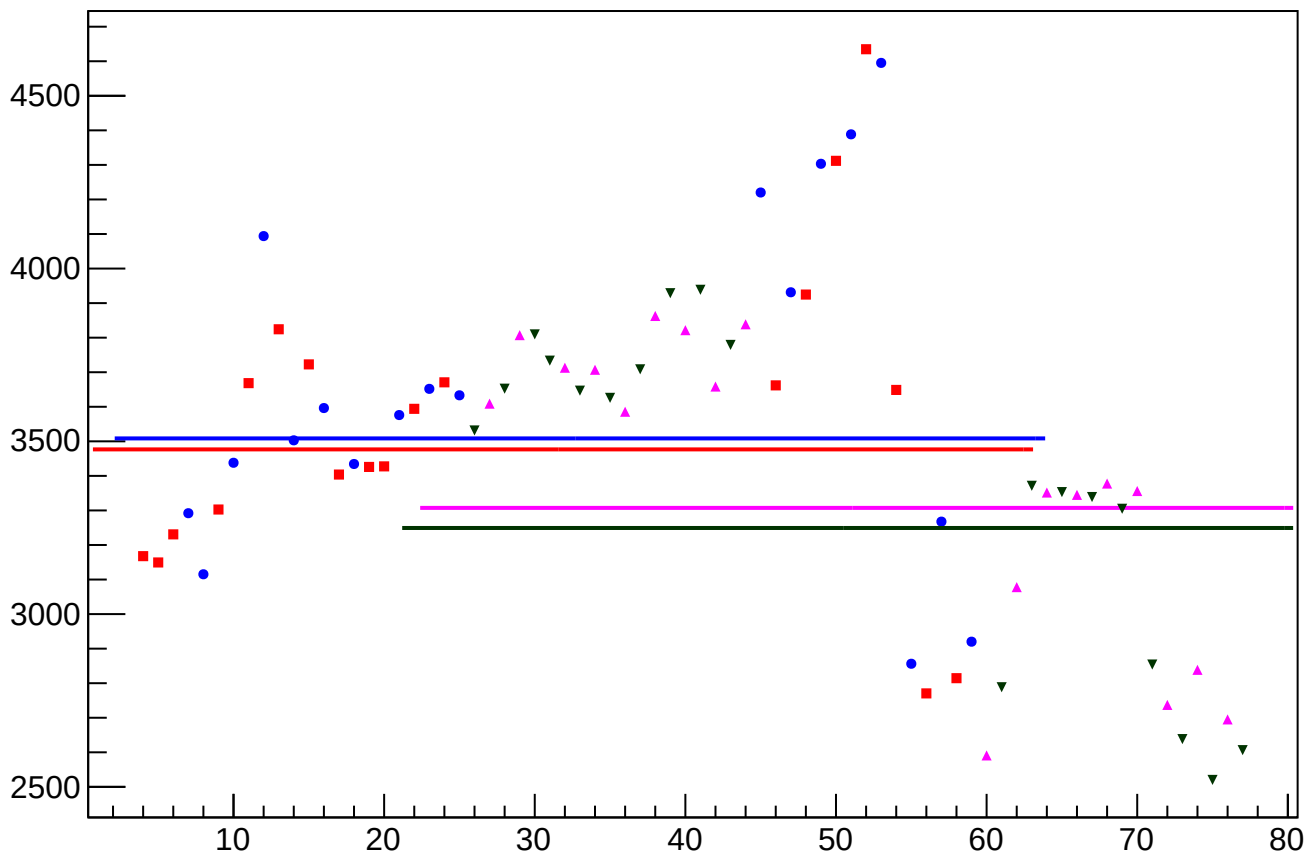
Right Out: -3.927 ± 1.110 χ^2/NDF : 44.2/18

Left In: 1.385 ± 1.042 χ^2/NDF : 32.3/17

2.071 ± 0.742 χ^2/NDF : 71.2/36

-1.105 ± 0.760 χ^2/NDF : 88.7/36

diff_bpm12Y_rms vs slug



Right In: 3508.449 $\pm$ 0.746 χ^2 /NDF: 384135.9/17

Left Out: 3249.236 $\pm$ 0.738 χ^2 /NDF:439030.6/18

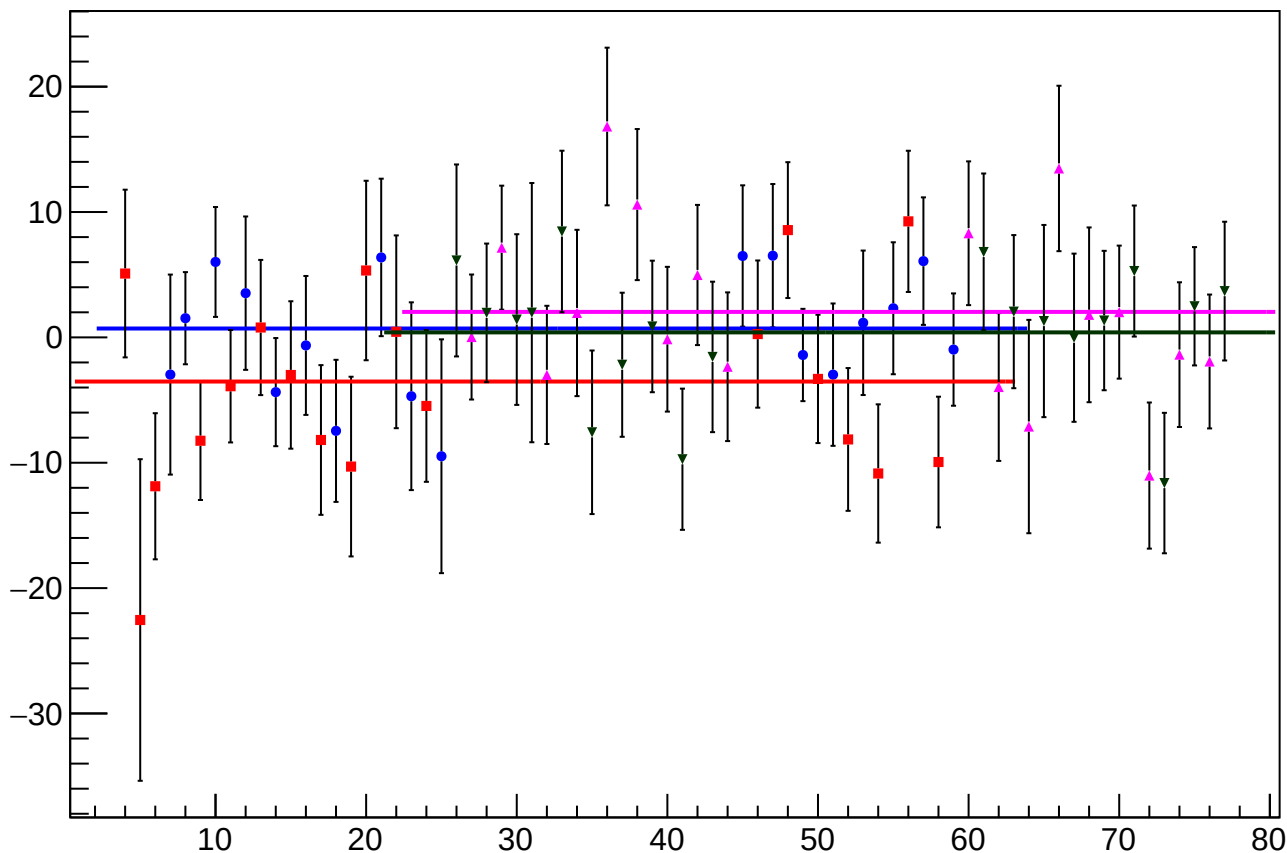
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

Left In: 3307.379 $\pm$ 0.737 χ^2 /NDF:360206.4/17

3377.379 $\pm$ 0.525 χ^2 /NDF: 884188.8/36

3386.720 $\pm$ 0.537 χ^2 /NDF: 678678.2/36

diff_bpm16X_mean vs slug



Right In: 0.708 ± 1.229 χ^2/NDF : 12.2/17

Left Out: 0.398 ± 1.381 χ^2/NDF : 14.5/18

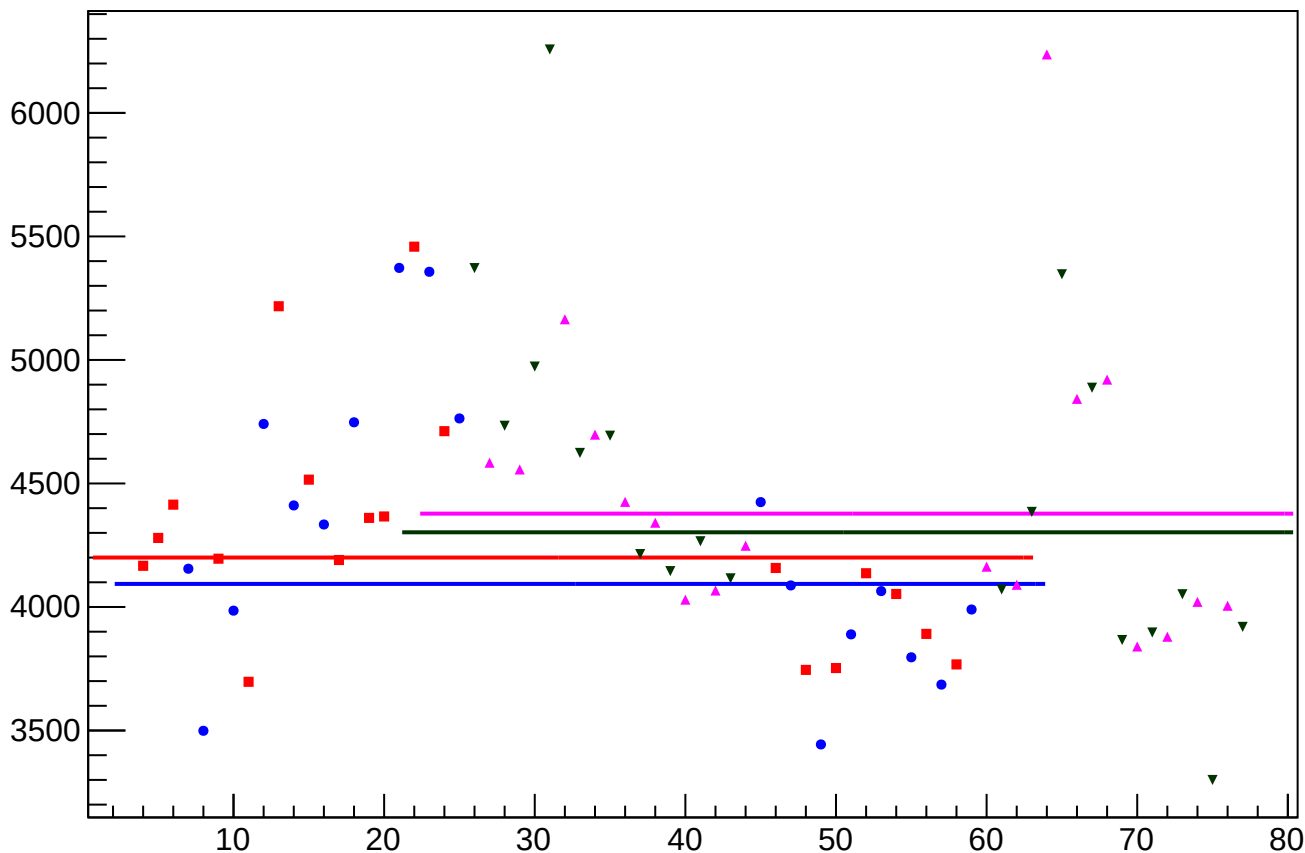
Right Out: -3.522 ± 1.336 χ^2/NDF : 25.4/18

Left In: 2.032 ± 1.378 χ^2/NDF : 22.9/17

0.571 ± 0.918 χ^2/NDF : 26.7/36

-0.831 ± 0.959 χ^2/NDF : 56.7/36

diff_bpm16X_rms vs slug



Right In: 4093.382 $\pm$ 0.869 χ^2 /NDF: 359698.6/17

Left Out: 4302.332 $\pm$ 0.977 χ^2 /NDF:342166.9/18

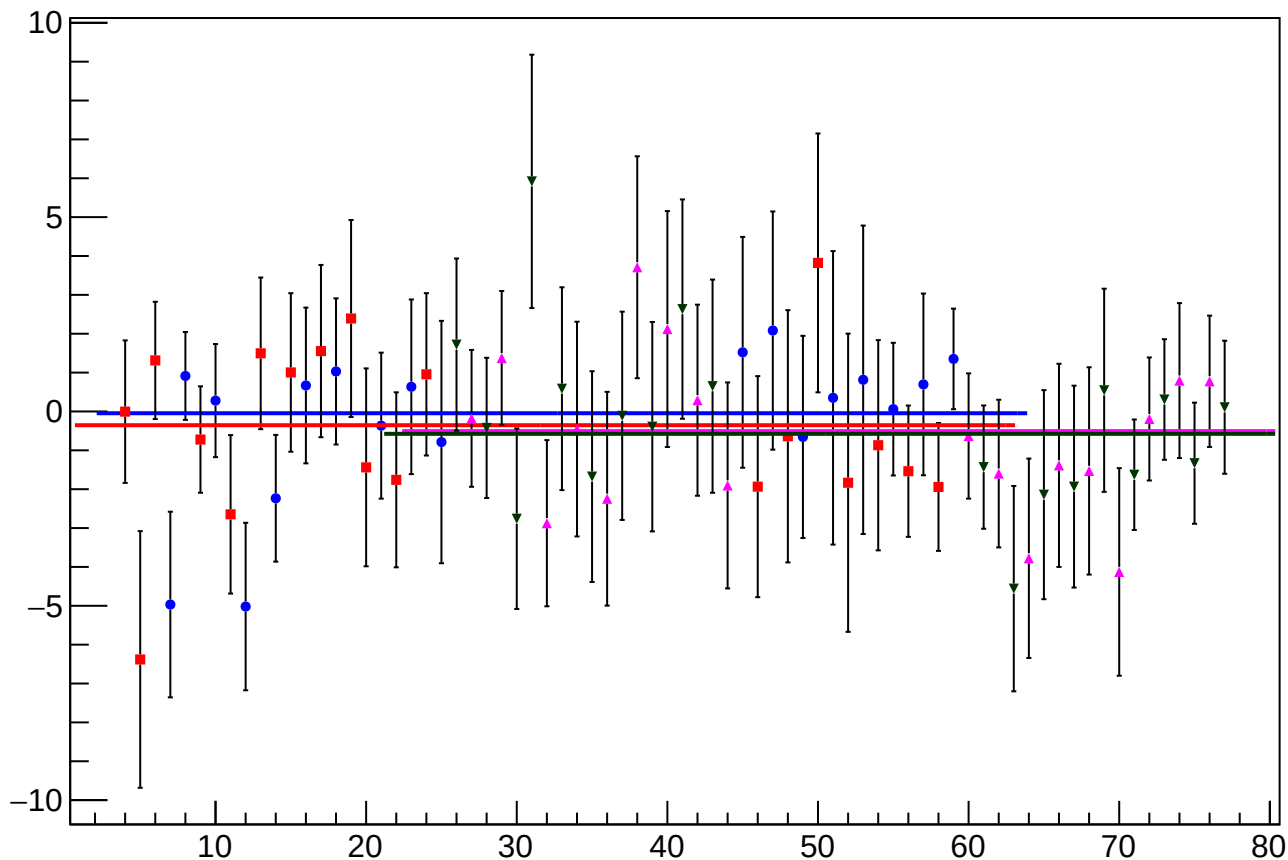
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

Left In: 4377.904 $\pm$ 0.974 χ^2 /NDF:243672.7/17

4185.695 $\pm$ 0.649 χ^2 /NDF: 727413.4/36

4286.259 $\pm$ 0.678 χ^2 /NDF: 486690.5/36

diff_bpm16Y_mean vs slug



Right In: -0.046 ± 0.458 $\chi^2/\text{NDF}: 14.9/17$

Left Out: -0.575 ± 0.485 $\chi^2/\text{NDF}: 12.5/18$

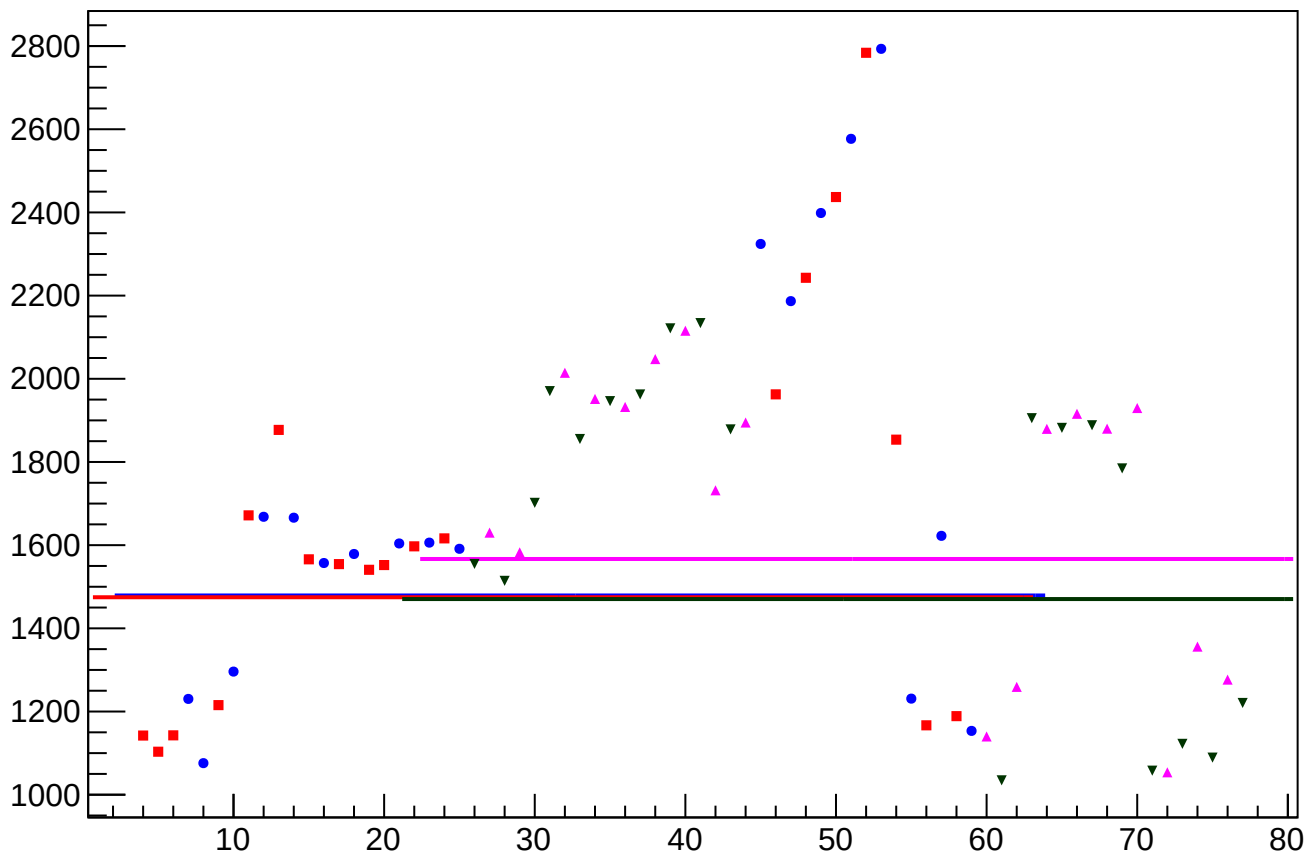
Right Out: -0.354 ± 0.483 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.505 ± 0.505 $\chi^2/\text{NDF}: 11.3/17$

-0.295 ± 0.333 $\chi^2/\text{NDF}: 28.0/36$

-0.426 ± 0.349 $\chi^2/\text{NDF}: 25.0/36$

diff_bpm16Y_rms vs slug



Right In: 1479.014 $\pm$ 0.324 χ^2 /NDF: 1459343.9/17

Left Out: 1470.428 $\pm$ 0.343 χ^2 /NDF:1279631.8/18

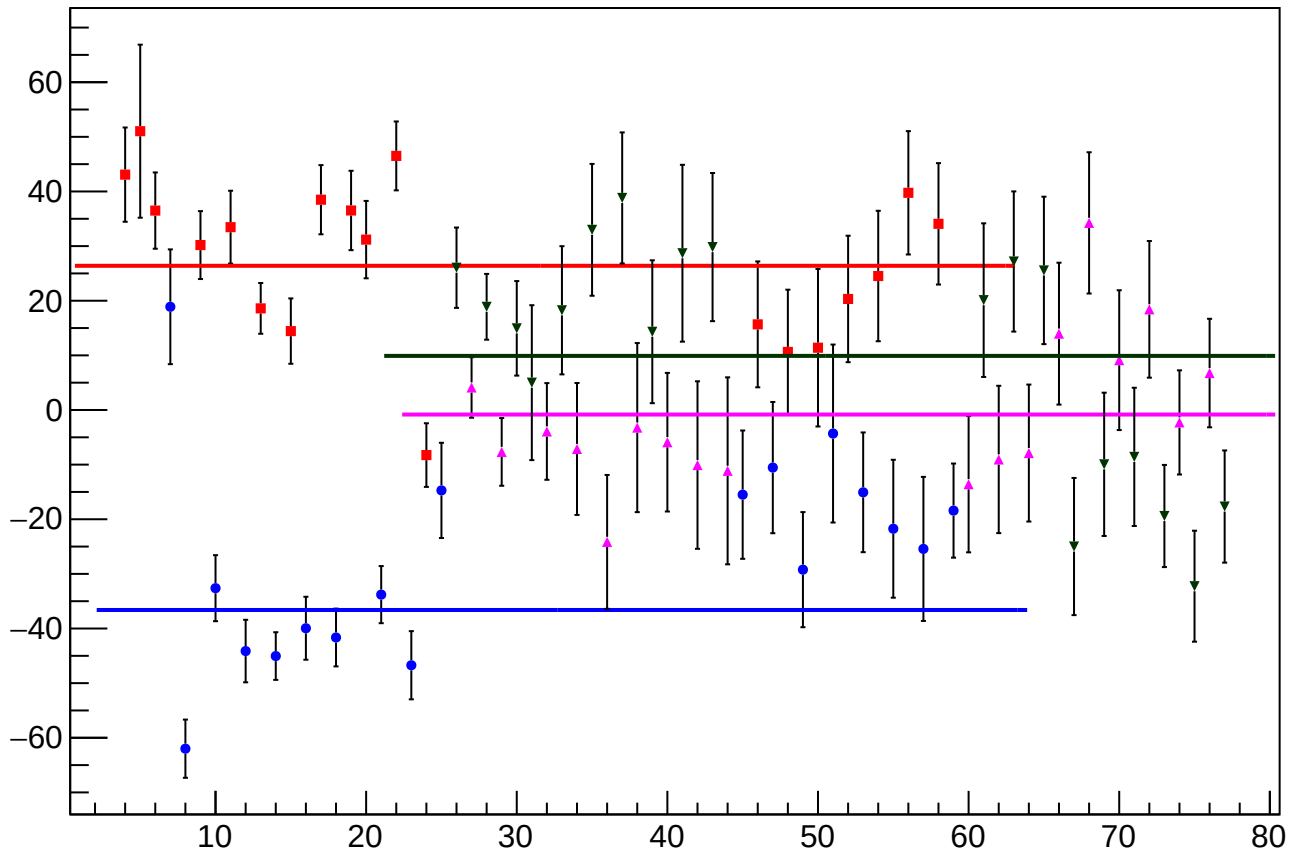
Right Out: 1474.750 $\pm$ 0.342 χ^2 /NDF: 1125200.2/18

Left In: 1566.762 $\pm$ 0.357 χ^2 /NDF:940220.6/17

1474.967 $\pm$ 0.236 χ^2 /NDF: 2739306.7/36

1518.752 $\pm$ 0.247 χ^2 /NDF: 2100075.3/36

diff_bpm0l01X_mean vs slug



Right In: -36.608 ± 1.674 χ^2/NDF : 89.8/17

Left Out: 9.905 ± 2.453 χ^2/NDF : 71.2/18

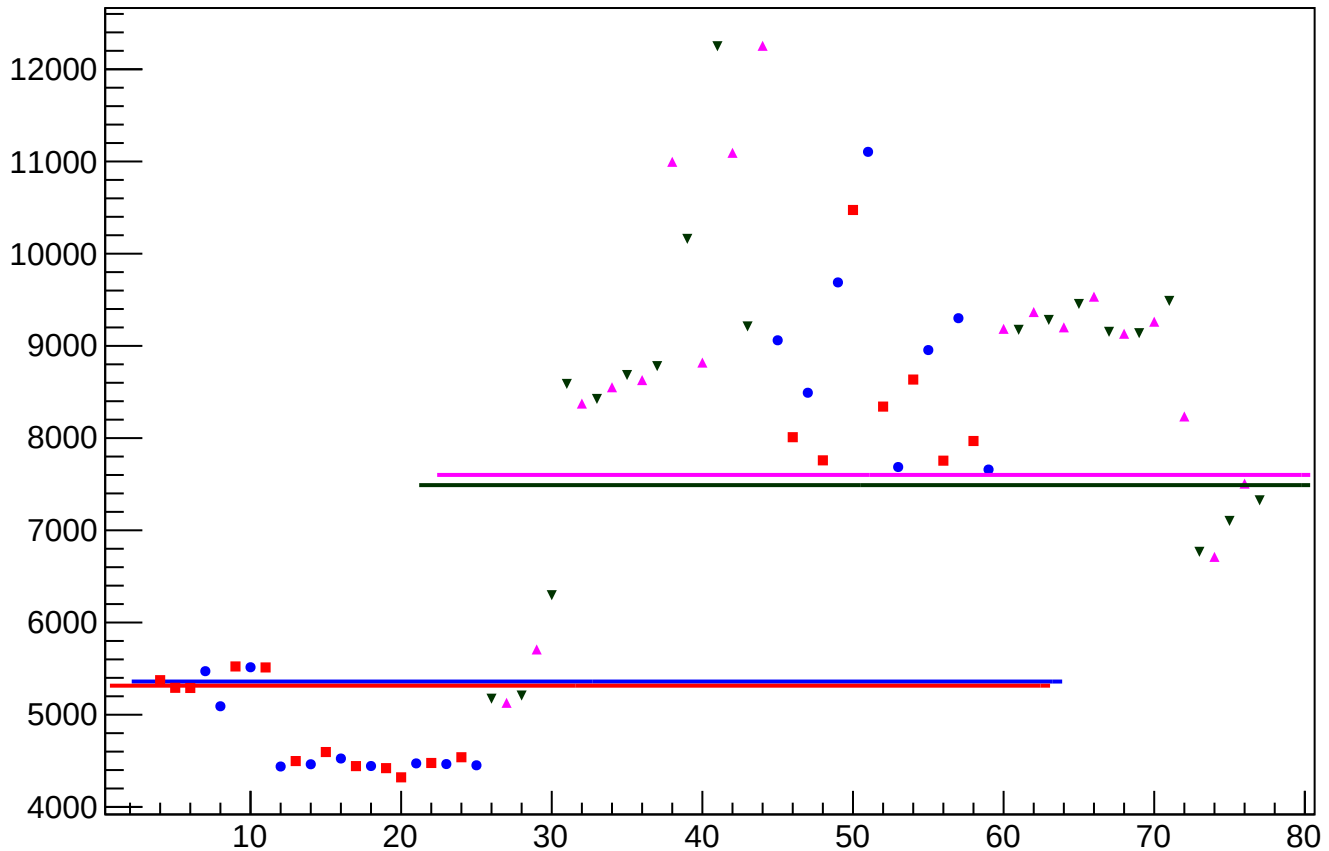
Right Out: 26.394 ± 1.742 χ^2/NDF : 74.2/18

Left In: -0.832 ± 2.448 χ^2/NDF : 20.9/17

-21.825 ± 1.383 χ^2/NDF : 406.3/36

17.242 ± 1.419 χ^2/NDF : 177.2/36

diff_bpm0l01X_rms vs slug



Right In: 5359.964+/-1.184 χ^2/NDF : 1859958.8/17

Left Out: 7490.060+/-1.734 χ^2/NDF :1121809.9/18

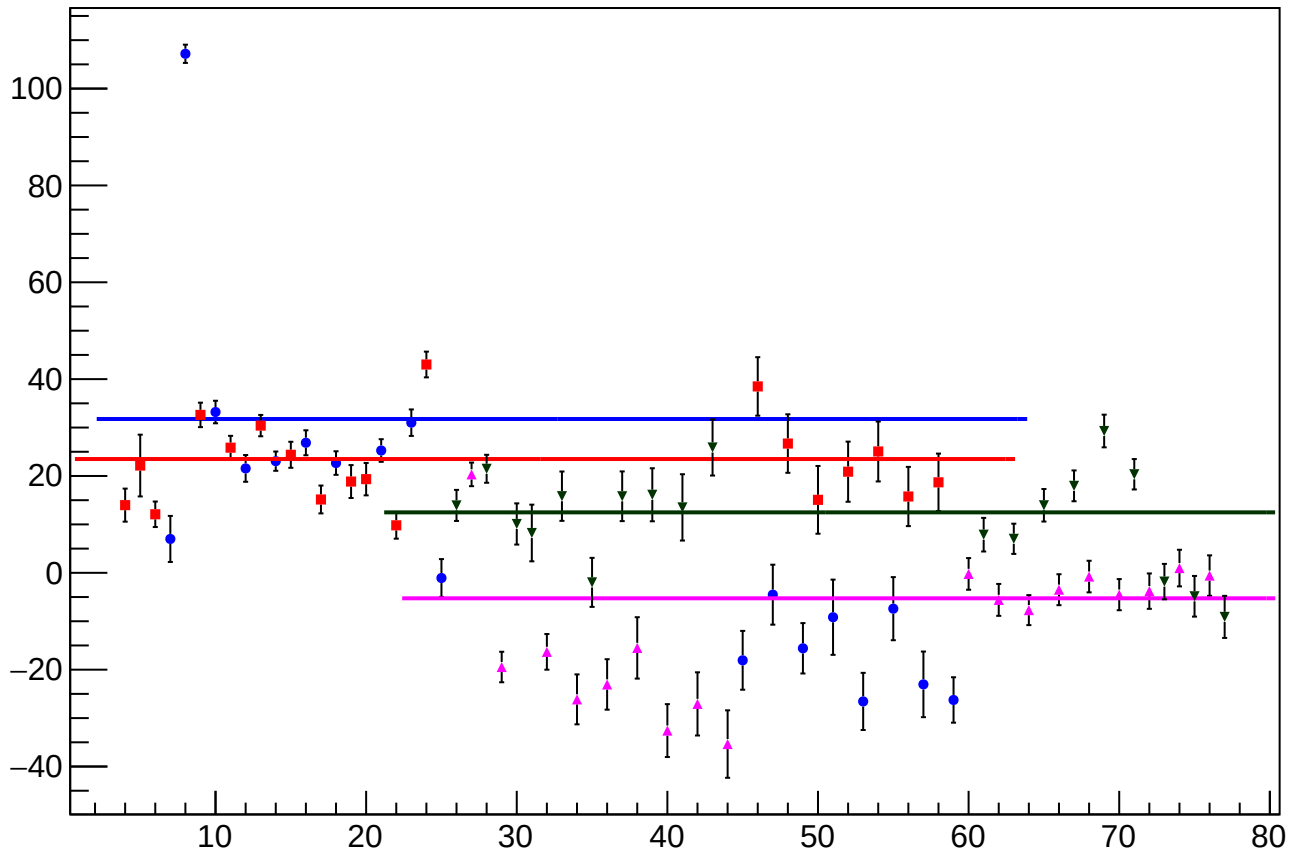
Right Out: 5315.062+/-1.232 χ^2/NDF : 1229938.4/18

Left In: 7600.665+/-1.731 χ^2/NDF :1221428.0/17

6036.938+/-0.978 χ^2/NDF : 4010927.4/36

6083.332+/-1.004 χ^2/NDF : 3608705.6/36

diff_bpm0l01Y_mean vs slug



Right In: 31.767 ± 0.741 $\chi^2/\text{NDF}: 2323.1/17$

Left Out: 12.486 ± 0.895 $\chi^2/\text{NDF}: 121.6/18$

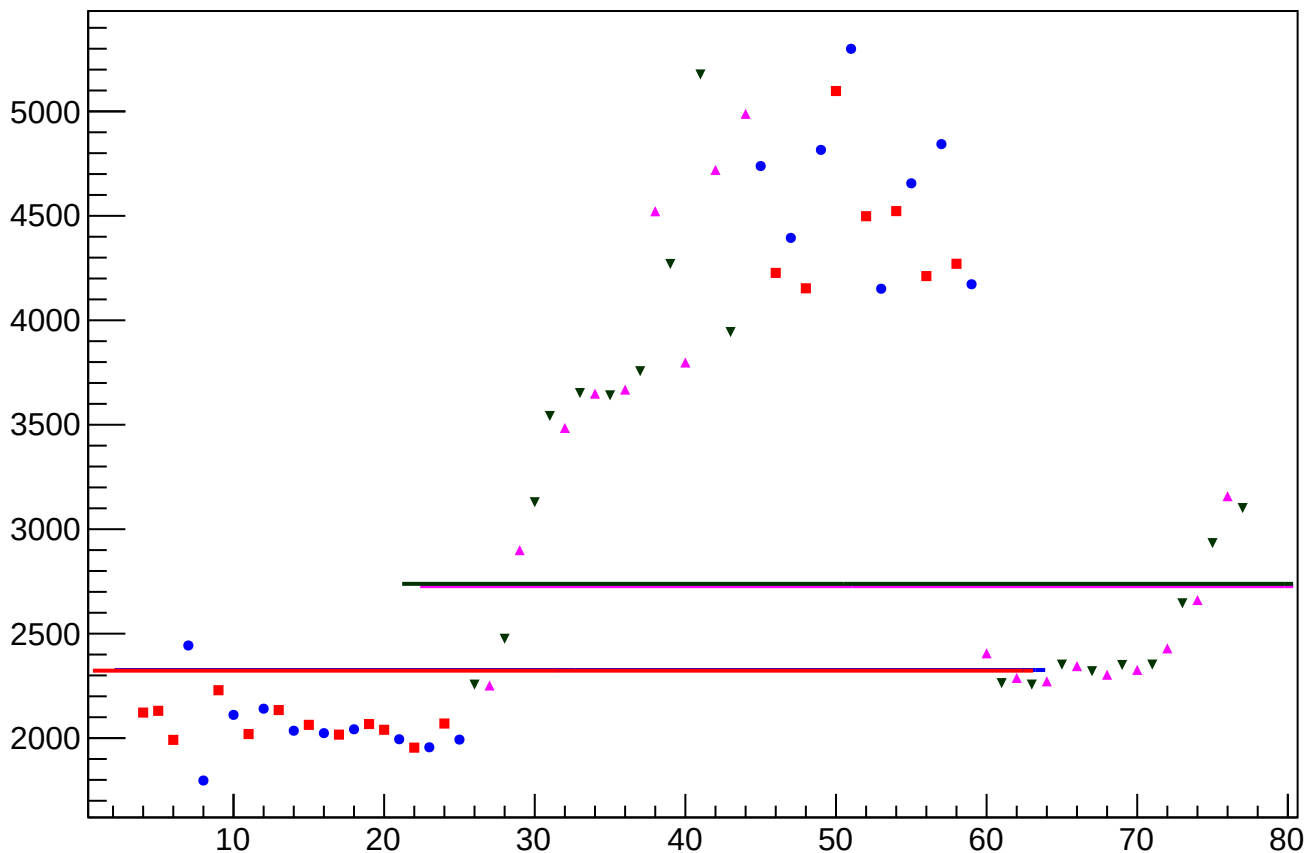
Right Out: 23.500 ± 0.773 $\chi^2/\text{NDF}: 151.3/18$

Left In: -5.264 ± 0.877 $\chi^2/\text{NDF}: 234.6/17$

23.928 ± 0.571 $\chi^2/\text{NDF}: 2720.1/36$

10.928 ± 0.580 $\chi^2/\text{NDF}: 991.7/36$

diff_bpm0l01Y_rms vs slug



Right In: 2326.082+/-0.524 χ^2/NDF : 2696546.0/17

Left Out: 2738.413+/-0.633 χ^2/NDF :1041895.4/18

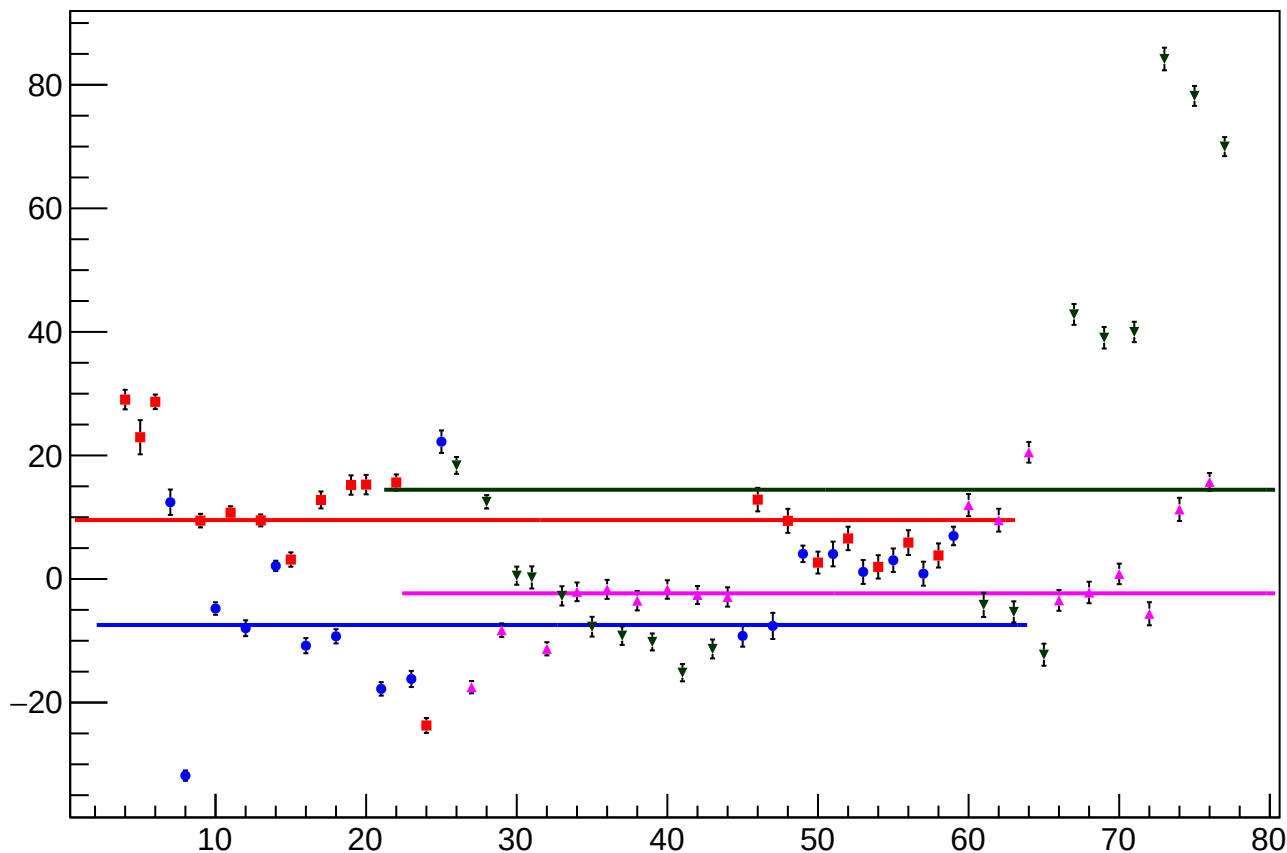
Right Out: 2322.918+/-0.546 χ^2/NDF : 1810759.5/18

Left In: 2727.329+/-0.620 χ^2/NDF :1156915.0/17

2493.714+/-0.404 χ^2/NDF : 3990325.3/36

2499.676+/-0.410 χ^2/NDF : 3207175.4/36

diff_bpm2i01X_mean vs slug



Right In: -7.442+/-0.310 χ^2/NDF : 1753.9/17

Left Out: 14.448+/-0.355 χ^2/NDF : 7254.0/18

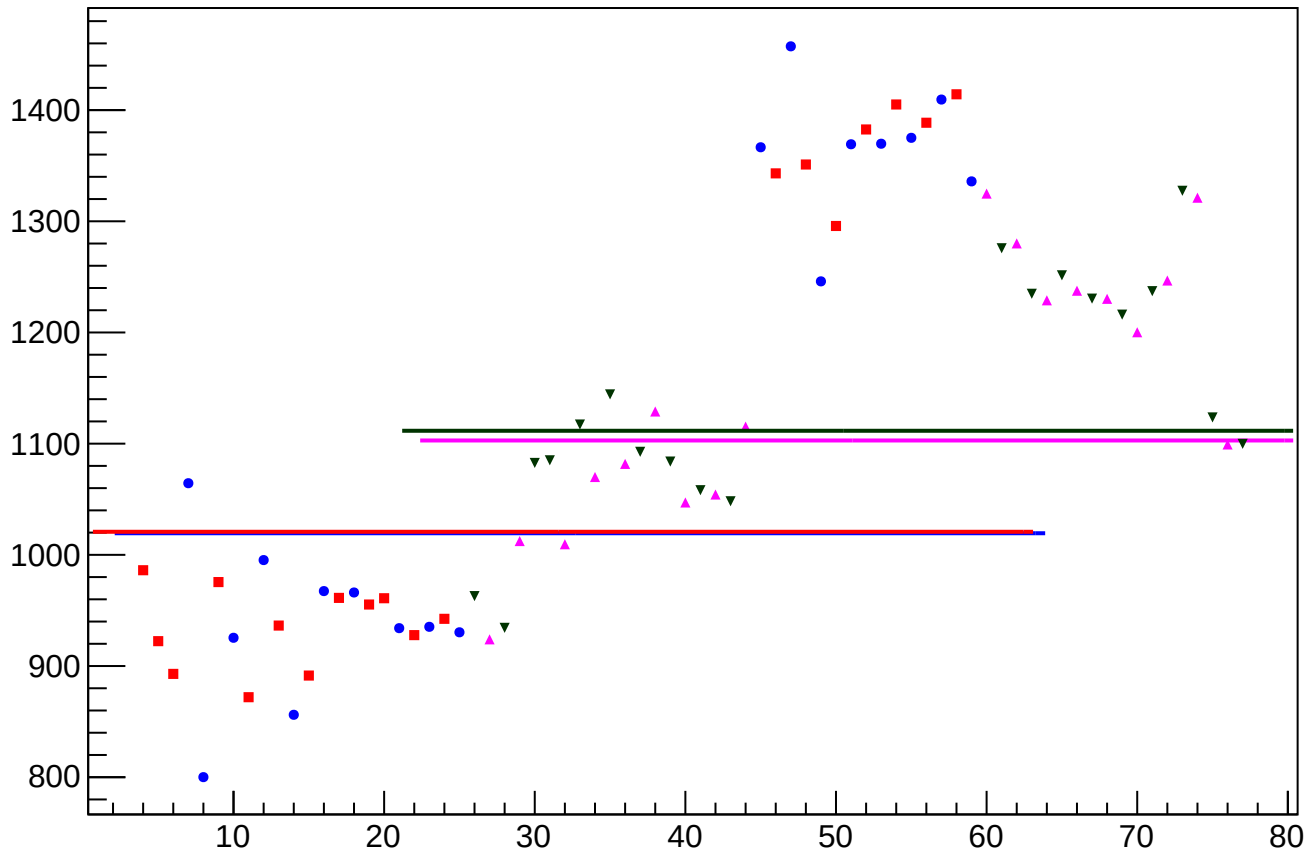
Right Out: 9.540+/-0.328 χ^2/NDF : 1327.8/18

Left In: -2.321+/-0.346 χ^2/NDF : 835.0/17

2.031+/-0.233 χ^2/NDF : 11166.6/36

3.939+/-0.238 χ^2/NDF : 2781.7/36

diff_bpm2i01X_rms vs slug



Right In: 1019.424+/-0.219 χ^2/NDF : 852878.1/17

Left Out: 1111.587+/-0.251 χ^2/NDF :179911.8/18

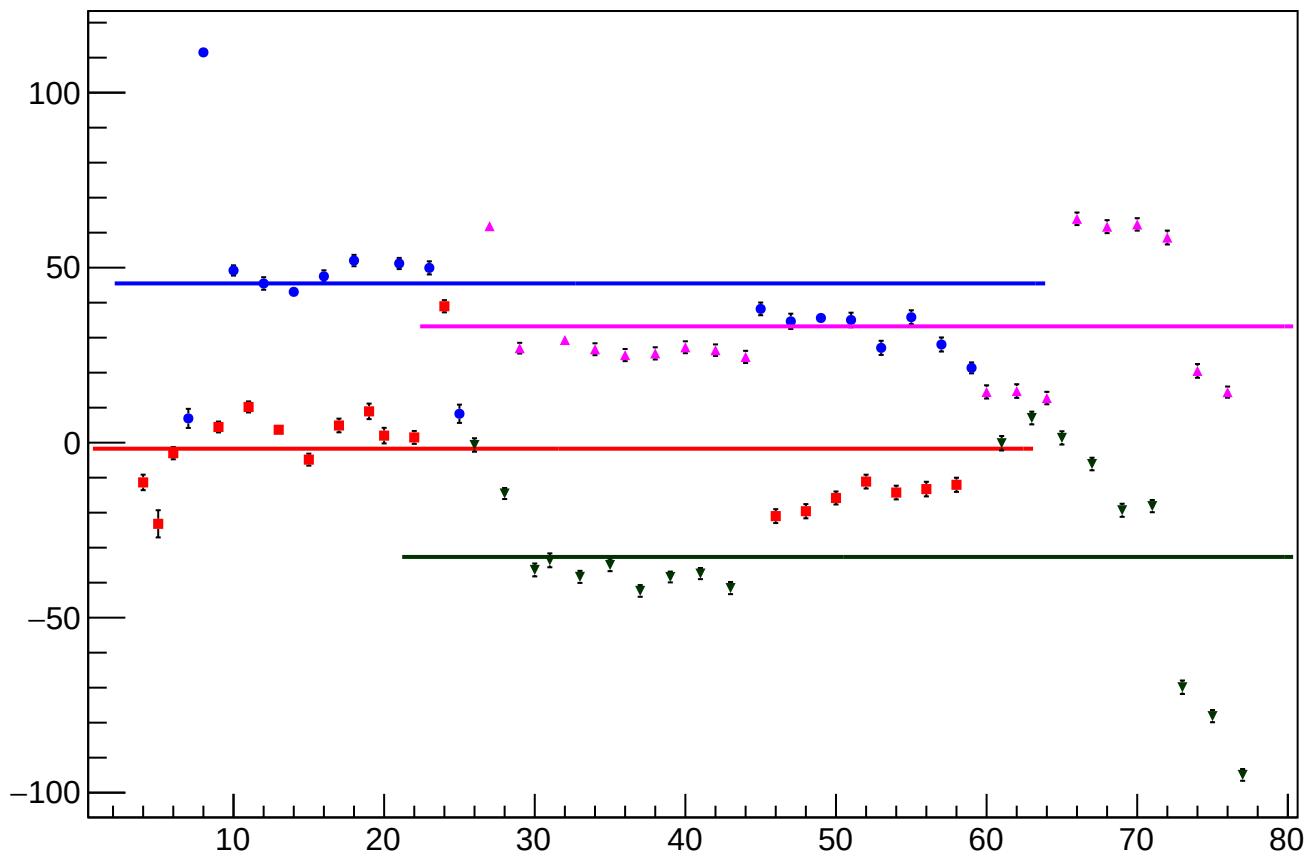
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1102.857+/-0.245 χ^2/NDF :229070.3/17

1059.307+/-0.165 χ^2/NDF : 1109321.7/36

1059.520+/-0.168 χ^2/NDF : 893460.2/36

diff_bpm2i01Y_mean vs slug



Right In: 45.496 $\pm$ 0.408 χ^2 /NDF: 3402.2/17

Left Out: -32.649 $\pm$ 0.406 χ^2 /NDF:4306.3/18

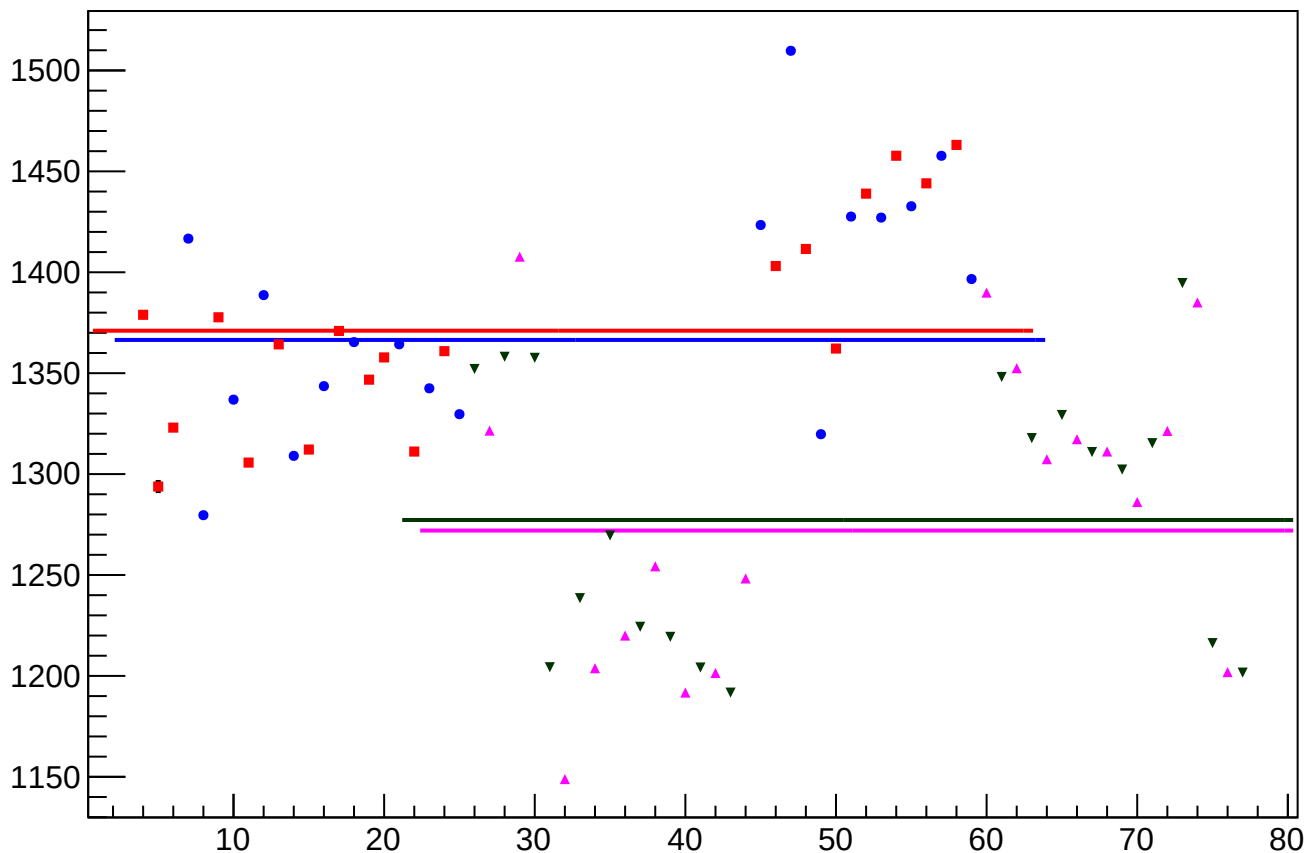
Right Out: -1.724 $\pm$ 0.434 χ^2 /NDF: 1071.7/18

Left In: 33.225 $\pm$ 0.398 χ^2 /NDF:2001.0/17

6.259 $\pm$ 0.288 χ^2 /NDF: 26133.3/36

17.268 $\pm$ 0.293 χ^2 /NDF: 6597.6/36

diff_bpm2i01Y_rms vs slug



Right In: 1366.474 $\pm$ 0.288 χ^2 /NDF: 38633.0/17

Left Out: 1277.262 $\pm$ 0.287 χ^2 /NDF: 50436.9/18

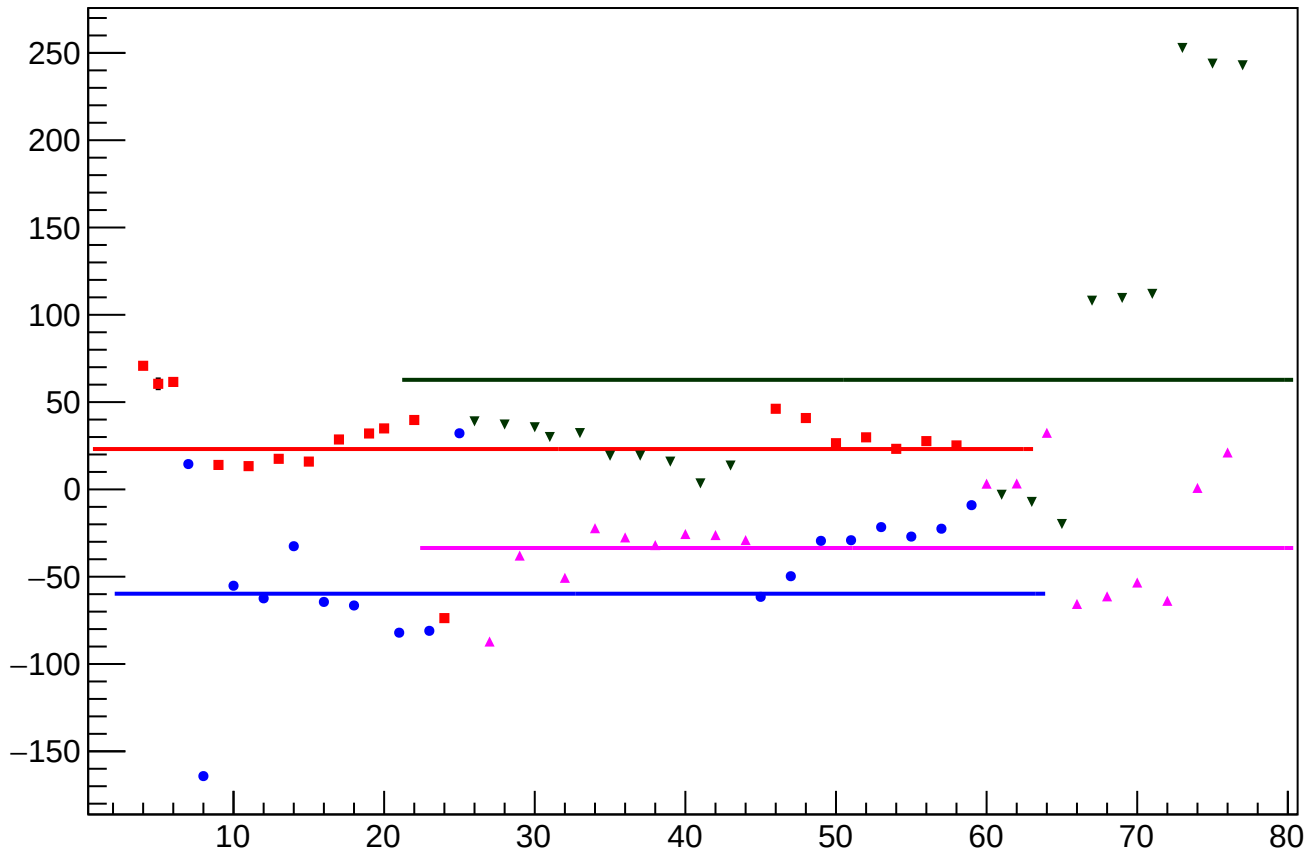
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

Left In: 1272.027 $\pm$ 0.281 χ^2 /NDF: 78347.1/17

1321.680 $\pm$ 0.204 χ^2 /NDF: 137095.6/36

1317.242 $\pm$ 0.207 χ^2 /NDF: 159808.3/36

diff_bpm2i02X_mean vs slug



Right In: -59.738 $\pm$ 0.343 χ^2 /NDF: 18760.8/17

Left Out: 62.759 $\pm$ 0.370 χ^2 /NDF: 48314.4/18

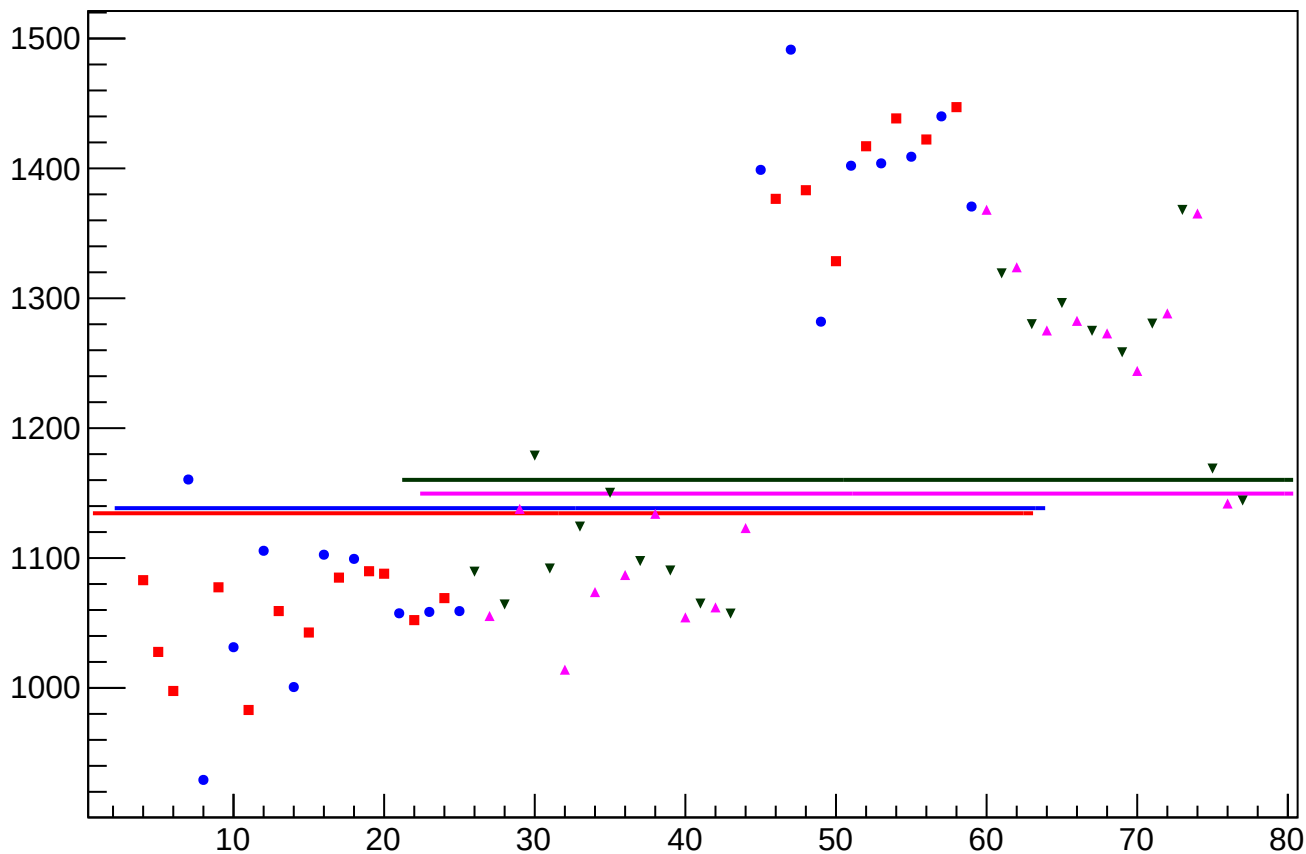
Right Out: 23.126 $\pm$ 0.362 χ^2 /NDF: 7355.2/18

Left In: -33.557 $\pm$ 0.361 χ^2 /NDF: 7386.1/17

-3.065 $\pm$ 0.252 χ^2 /NDF: 126034.4/36

-5.307 $\pm$ 0.255 χ^2 /NDF: 27053.4/36

diff_bpm2i02X_rms vs slug



Right In: 1138.411 $\pm$ 0.243 χ^2 /NDF: 488075.7/17

Left Out: 1160.188 $\pm$ 0.261 χ^2 /NDF:128305.9/18

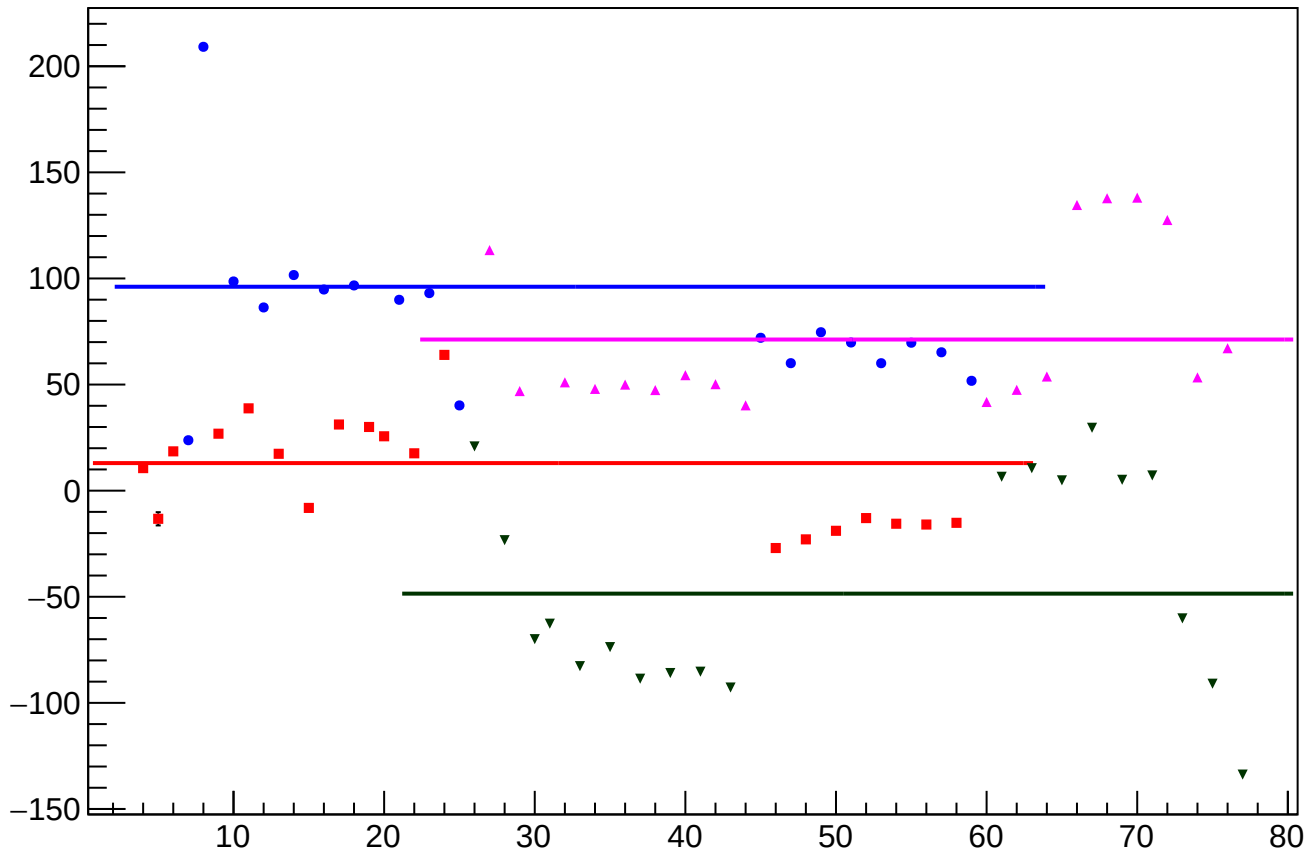
Right Out: 1134.479 $\pm$ 0.256 χ^2 /NDF: 360721.2/18

Left In: 1149.619 $\pm$ 0.255 χ^2 /NDF:186586.4/17

1148.486 $\pm$ 0.178 χ^2 /NDF: 620108.3/36

1142.074 $\pm$ 0.181 χ^2 /NDF: 549064.5/36

diff_bpm2i02Y_mean vs slug



Right In: 96.096 $\pm$ 0.343 χ^2 /NDF: 17116.6/17

Left Out: -48.525 $\pm$ 0.364 χ^2 /NDF:17448.4/18

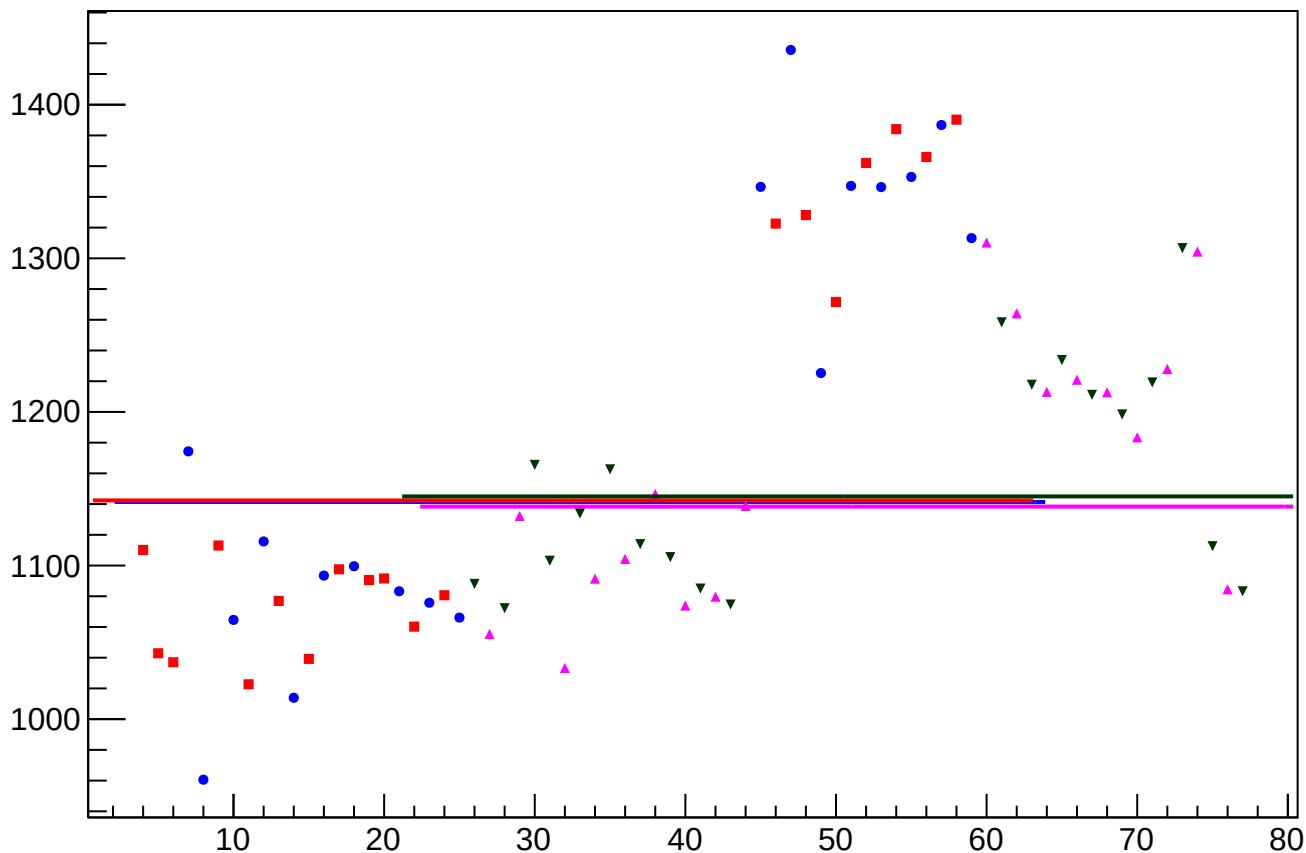
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 71.224 $\pm$ 0.356 χ^2 /NDF:9634.8/17

28.178 $\pm$ 0.250 χ^2 /NDF: 118111.7/36

42.669 $\pm$ 0.254 χ^2 /NDF: 27272.5/36

diff_bpm2i02Y_rms vs slug



Right In: 1141.379+/-0.242 χ^2/NDF : 329306.4/17

Left Out: 1145.010+/-0.258 χ^2/NDF : 66341.2/18

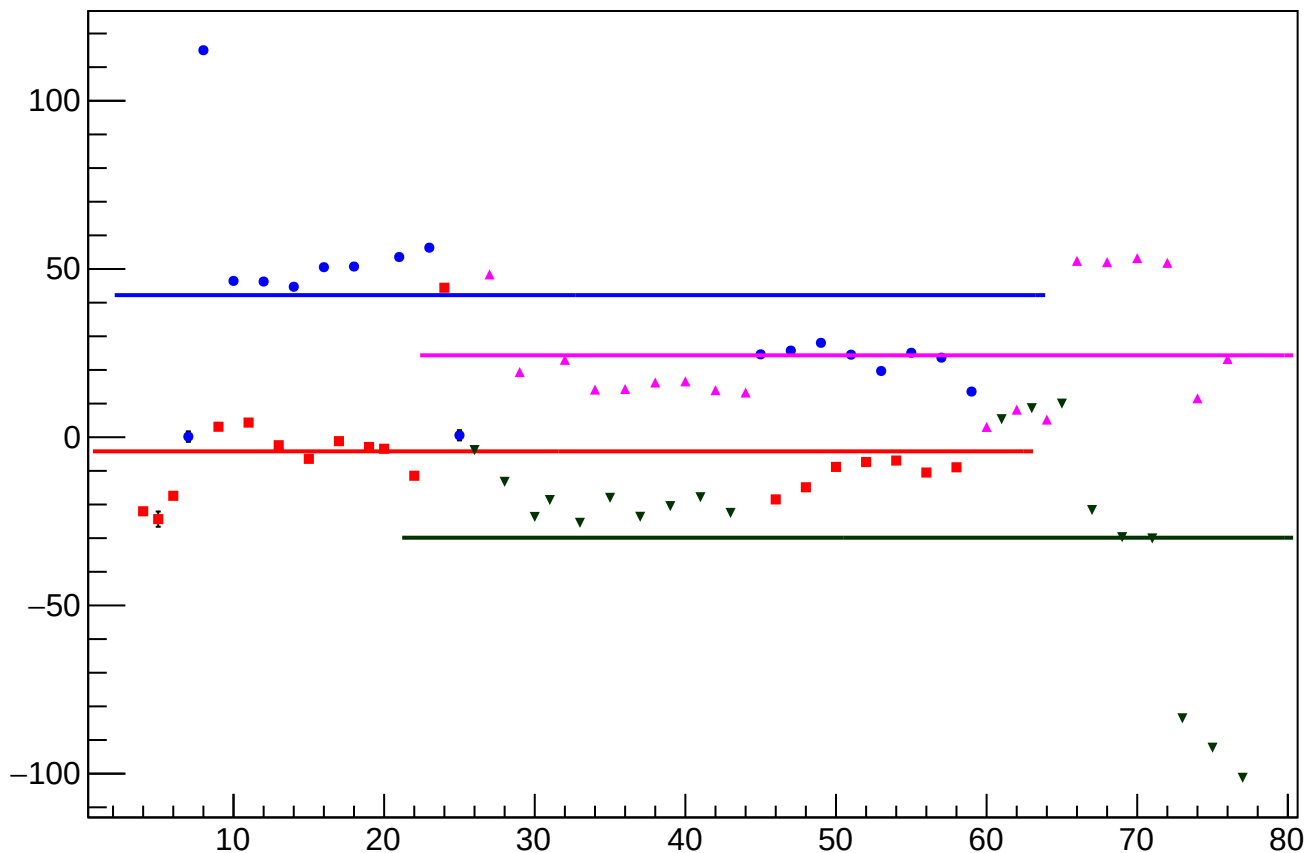
Right Out: 1142.390+/-0.257 χ^2/NDF : 236212.3/18

Left In: 1138.356+/-0.252 χ^2/NDF : 104480.3/17

1143.084+/-0.177 χ^2/NDF : 395752.9/36

1140.334+/-0.180 χ^2/NDF : 340818.3/36

diff_bpm1i04X_mean vs slug



Right In: 42.233+/-0.231 χ^2/NDF : 14293.4/17

Left Out: -29.867+/-0.230 χ^2/NDF : 19154.5/18

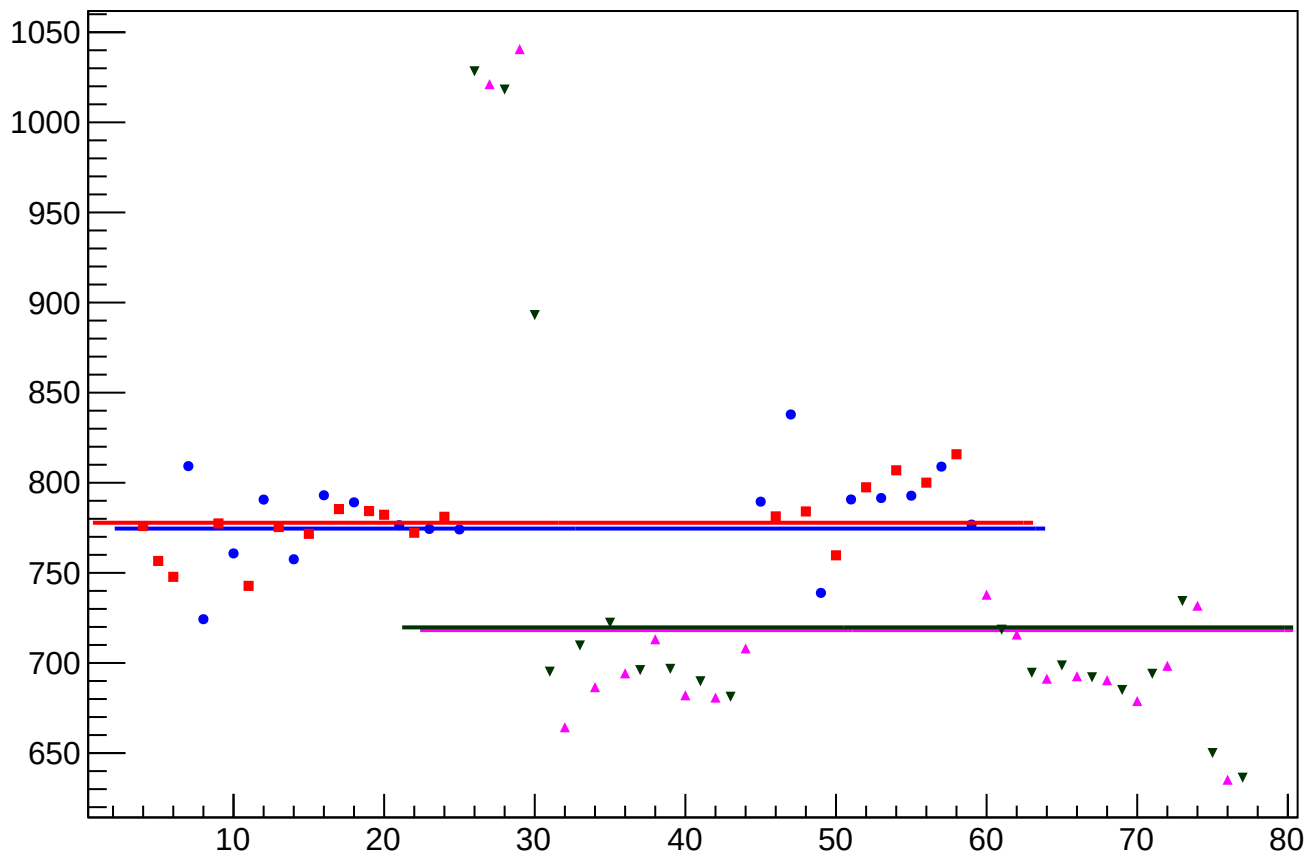
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

Left In: 24.343+/-0.226 χ^2/NDF : 5669.3/17

6.121+/-0.163 χ^2/NDF : 82288.0/36

11.259+/-0.166 χ^2/NDF : 16351.1/36

diff_bpm1i04X_rms vs slug



Right In: 774.583 $\pm$ 0.163 χ^2 /NDF: 26360.5/17

Left Out: 719.752 $\pm$ 0.163 χ^2 /NDF: 303385.9/18

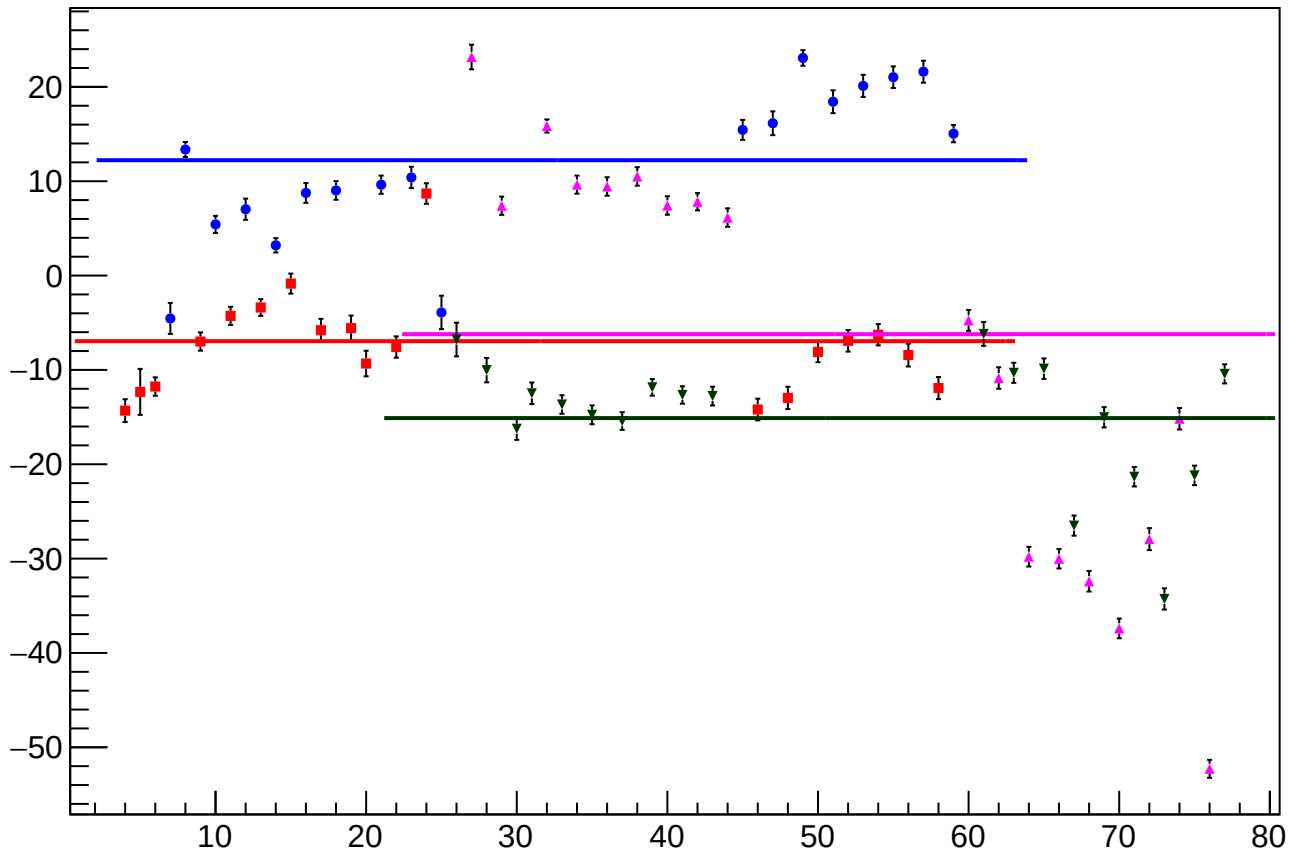
Right Out: 777.816 $\pm$ 0.174 χ^2 /NDF: 11180.5/18

Left In: 718.253 $\pm$ 0.160 χ^2 /NDF: 365058.5/17

747.120 $\pm$ 0.115 χ^2 /NDF: 386238.0/36

745.558 $\pm$ 0.118 χ^2 /NDF: 439856.4/36

diff_bpm1i04Y_mean vs slug



Right In: 12.227 $\pm$ 0.244 χ^2 /NDF: 832.9/17

Left Out: -15.108 $\pm$ 0.244 χ^2 /NDF: 660.7/18

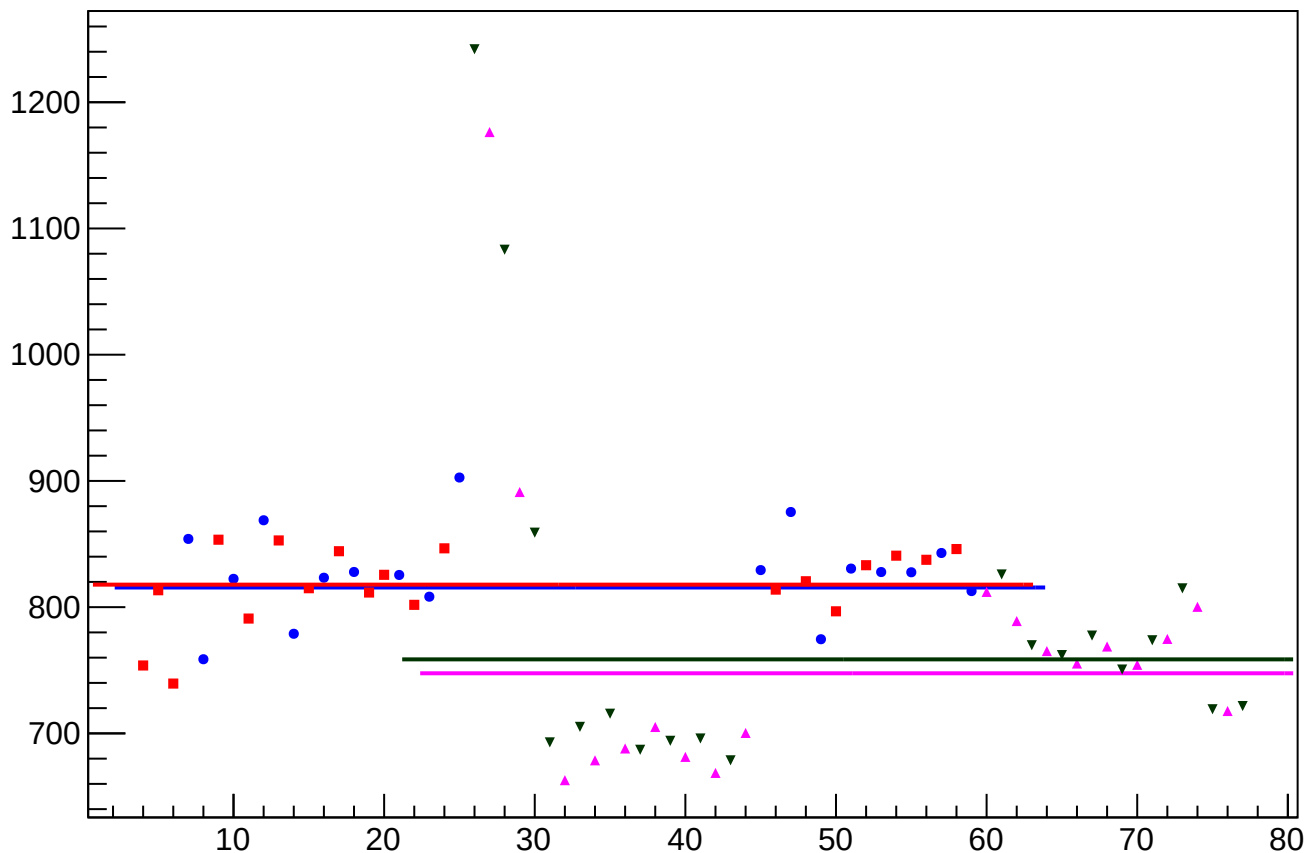
Right Out: -6.954 $\pm$ 0.259 χ^2 /NDF: 420.8/18

Left In: -6.211 $\pm$ 0.236 χ^2 /NDF: 8398.6/17

-1.400 $\pm$ 0.172 χ^2 /NDF: 7775.4/36

-6.548 $\pm$ 0.174 χ^2 /NDF: 8823.8/36

diff_bpm1i04Y_rms vs slug



Right In: 815.575 ± 0.172 χ^2/NDF : 37644.6/17

Left Out: 758.641 ± 0.173 χ^2/NDF : 365609.9/18

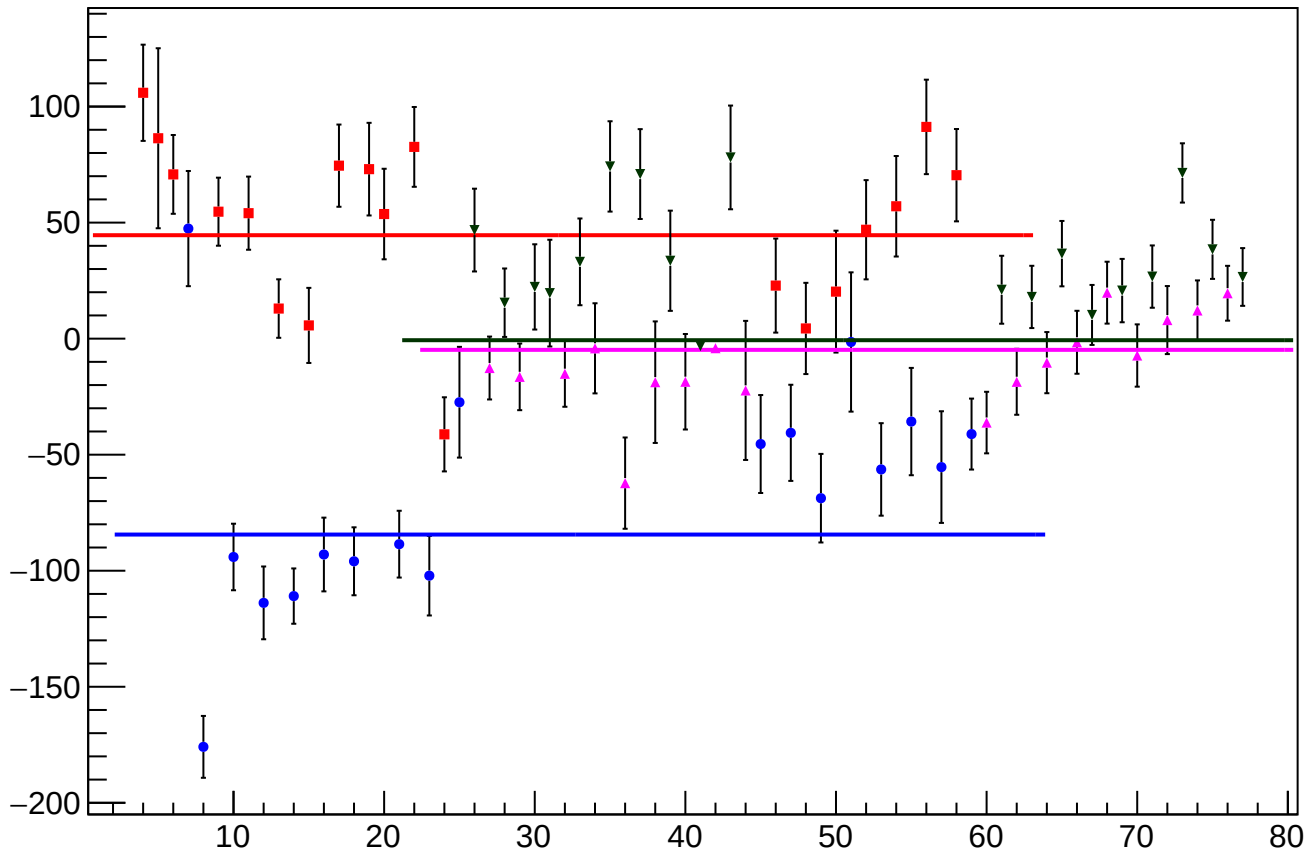
Right Out: 817.840 ± 0.183 χ^2/NDF : 32410.2/18

Left In: 747.615 ± 0.167 χ^2/NDF : 357348.9/17

787.193 ± 0.122 χ^2/NDF : 457758.3/36

779.460 ± 0.123 χ^2/NDF : 470084.6/36

diff_bpm0l02X_mean vs slug



Right In: -84.415 ± 4.060 χ^2/NDF : 124.1/17

Left Out: -0.669 ± 0.949 χ^2/NDF : 128.6/18

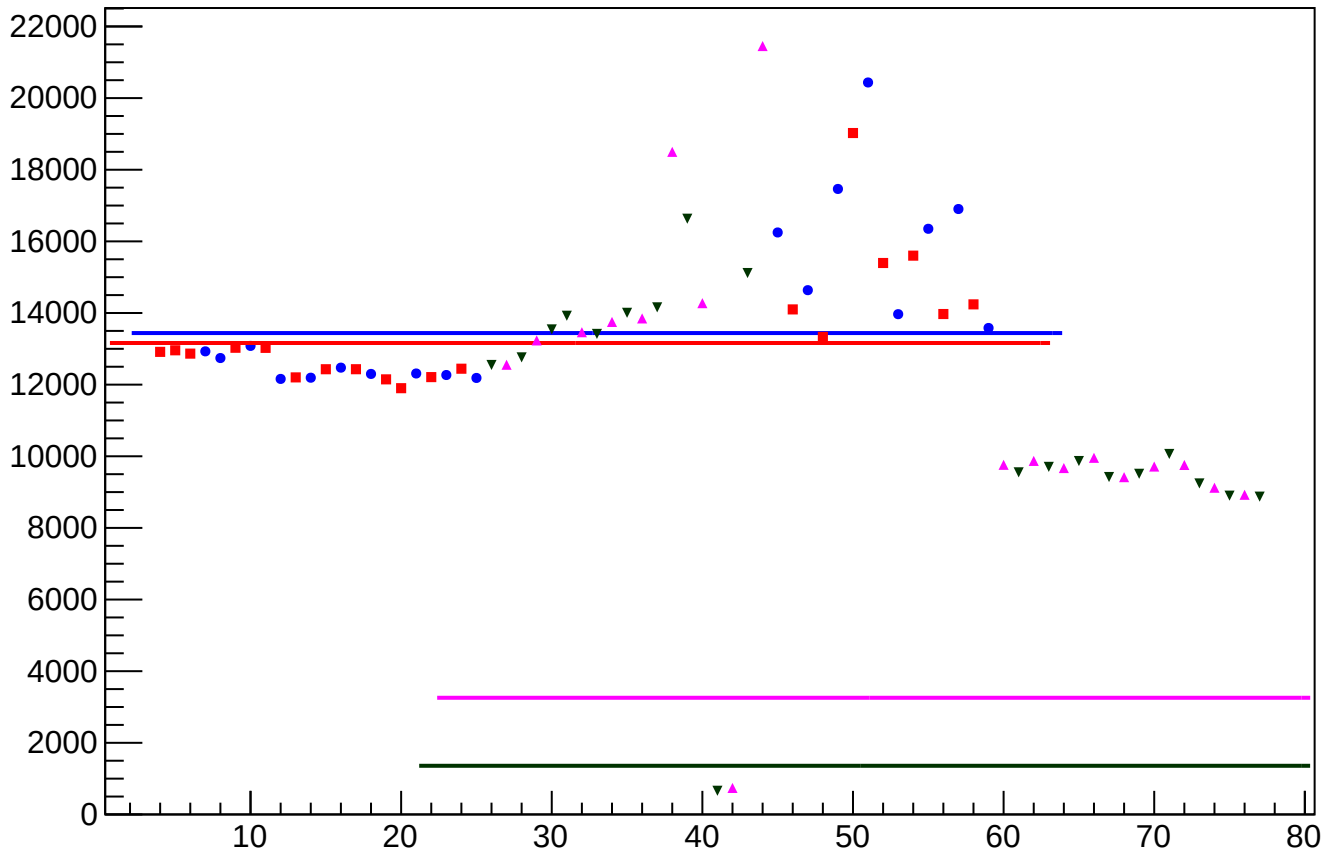
Right Out: 44.573 ± 4.203 χ^2/NDF : 77.6/18

Left In: -4.830 ± 1.791 χ^2/NDF : 28.2/17

-5.010 ± 0.924 χ^2/NDF : 656.1/36

2.766 ± 1.648 χ^2/NDF : 222.7/36

diff_bpm0l02X_rms vs slug



Right In: 13440.177+/-2.871 χ^2/NDF : 403912.7/17

Left Out: 1358.911+/-0.671 χ^2/NDF :15431964.3/18

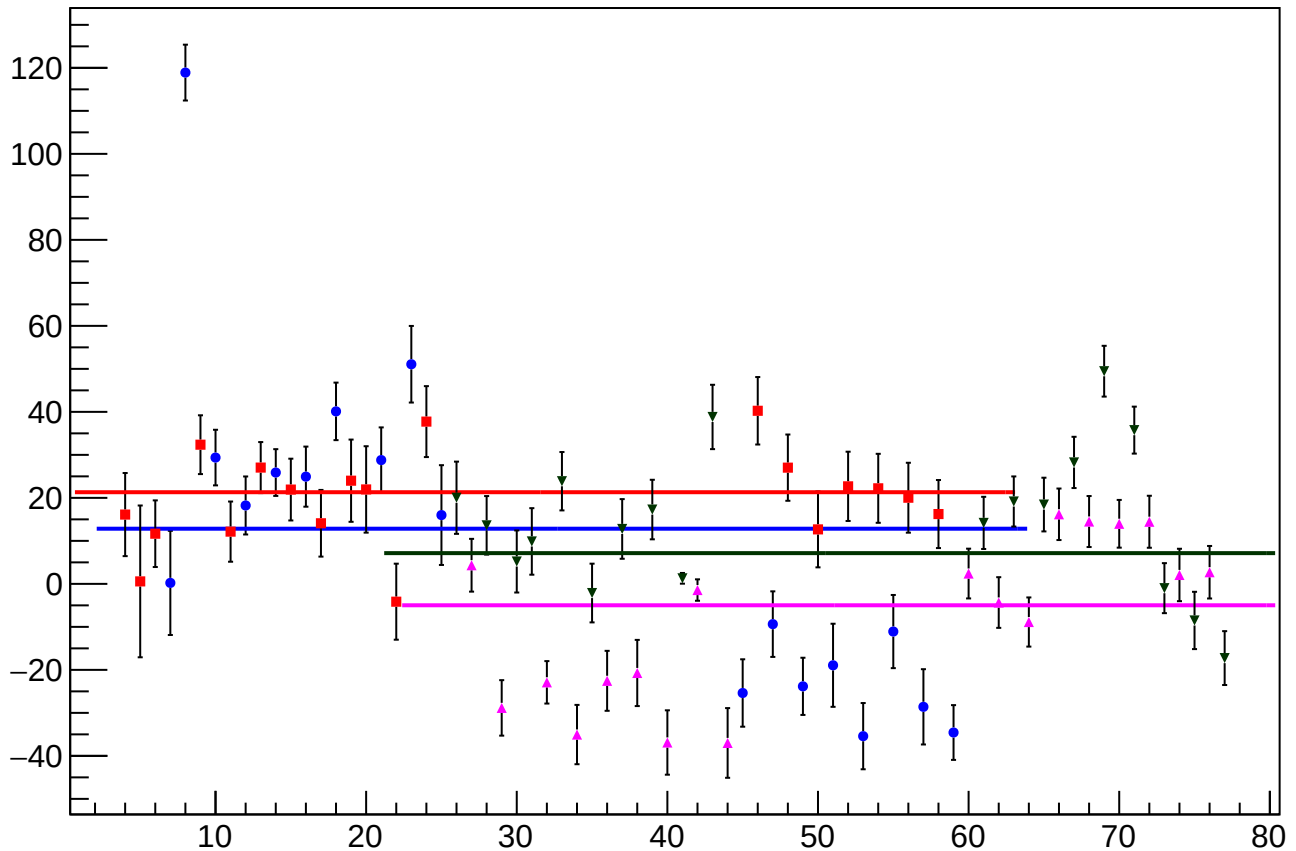
1985.124+/-0.654 χ^2/NDF : 32627986.7/36

Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

4780.728+/-1.165 χ^2/NDF : 22707403.1/36

Left In: 3257.702+/-1.267 χ^2/NDF :13101417.9/17

diff_bpm0l02Y_mean vs slug



Right In: 12.827+/-1.752 χ^2/NDF : 521.8/17

Left Out: 7.148+/-0.967 χ^2/NDF : 177.0/18

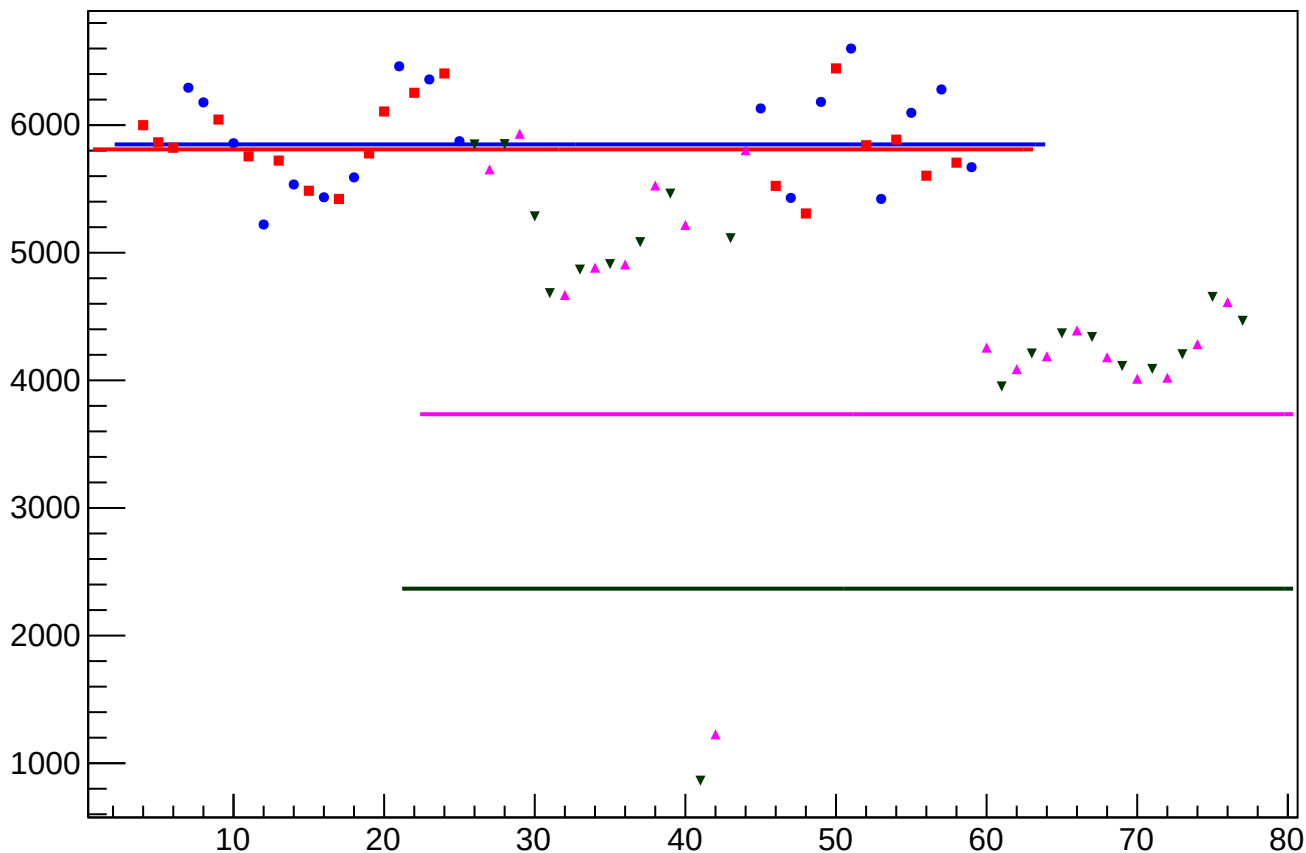
Right Out: 21.314+/-1.847 χ^2/NDF : 29.5/18

Left In: -4.979+/-1.287 χ^2/NDF : 144.8/17

8.474+/-0.847 χ^2/NDF : 706.8/36

3.616+/-1.056 χ^2/NDF : 310.7/36

diff_bpm0l02Y_rms vs slug



Right In: 5848.690 $\pm$ 1.239 χ^2 /NDF: 101335.3/17

Left Out: 2367.784 $\pm$ 0.684 χ^2 /NDF: 7607786.9/18

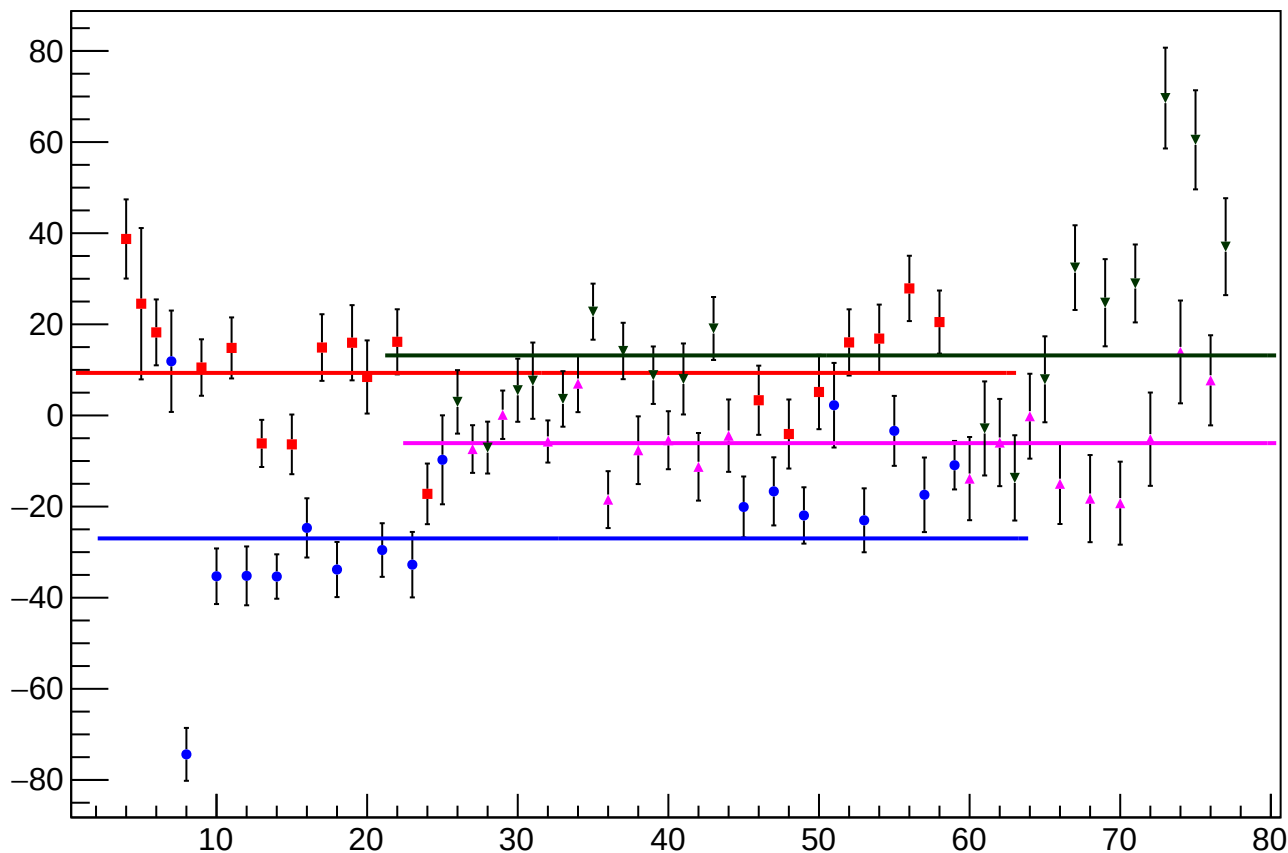
Right Out: 5809.767 $\pm$ 1.306 χ^2 /NDF: 53321.4/18

Left In: 3734.608 $\pm$ 0.910 χ^2 /NDF: 3096820.1/17

3180.669 $\pm$ 0.599 χ^2 /NDF: 13757545.6/36

4412.930 $\pm$ 0.747 χ^2 /NDF: 4849547.9/36

diff_bpm0l03X_mean vs slug



Right In: -26.989 ± 1.569 $\chi^2/\text{NDF}: 124.5/17$

Left Out: 13.176 ± 1.761 $\chi^2/\text{NDF}: 93.2/18$

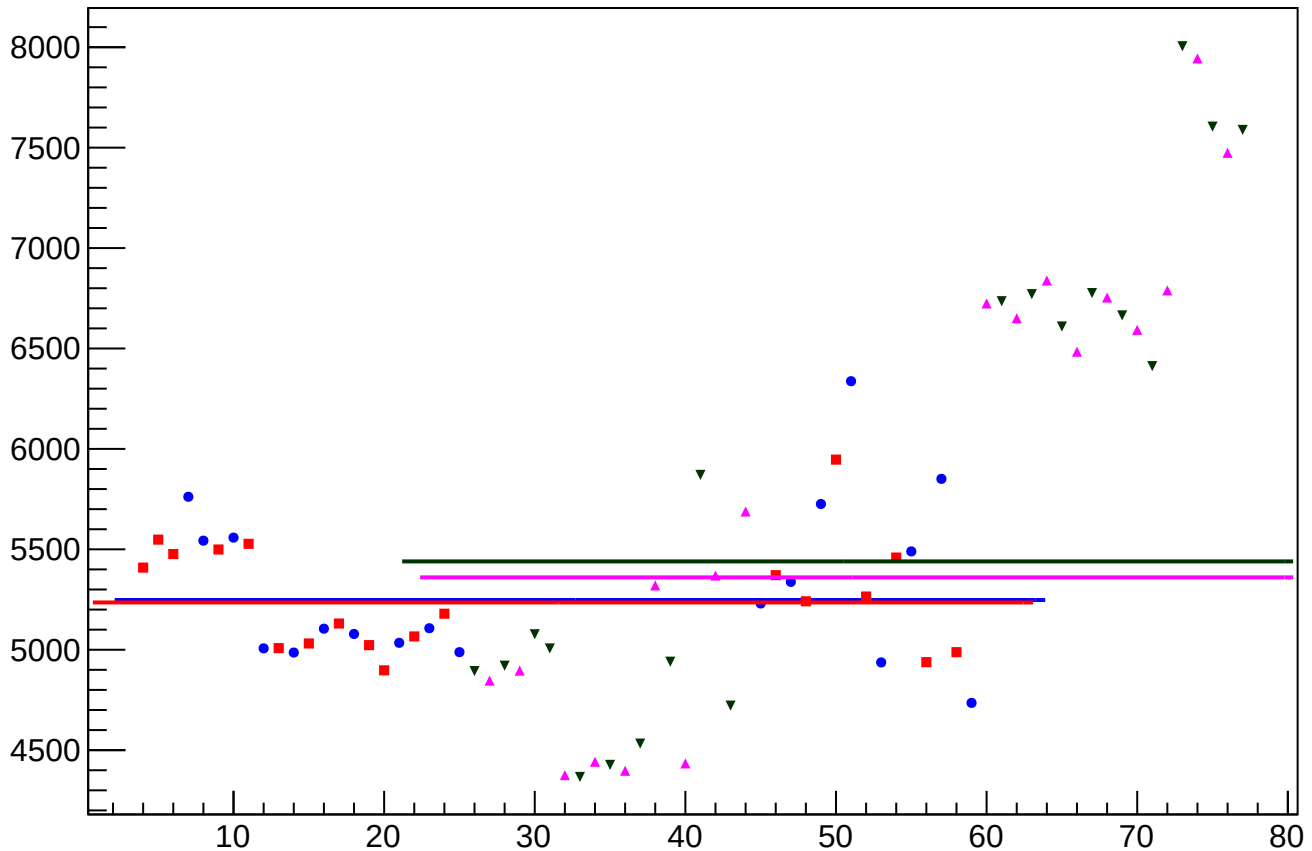
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

Left In: -6.076 ± 1.704 $\chi^2/\text{NDF}: 21.3/17$

-9.215 ± 1.172 $\chi^2/\text{NDF}: 507.5/36$

1.834 ± 1.189 $\chi^2/\text{NDF}: 125.7/36$

diff_bpm0l03X_rms vs slug



Right In: 5247.571+/-1.110 χ^2/NDF : 105629.3/17

Left Out: 5439.838+/-1.246 χ^2/NDF : 710305.5/18

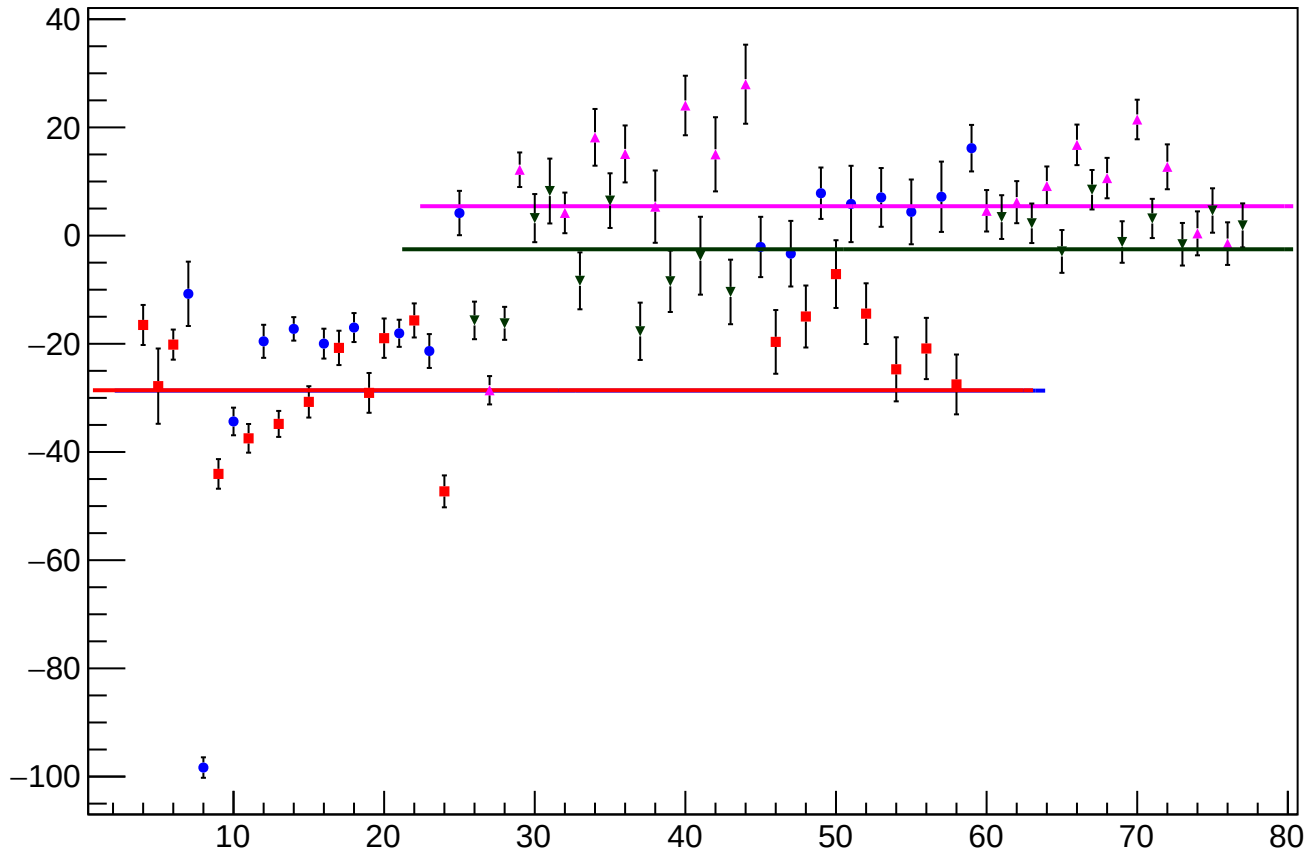
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 5360.371+/-1.205 χ^2/NDF : 739387.3/17

5332.655+/-0.829 χ^2/NDF : 829218.2/36

5296.269+/-0.841 χ^2/NDF : 792067.3/36

diff_bpm0l03Y_mean vs slug



Right In: -28.657+/-0.782 χ^2 /NDF: 1857.6/17

Left Out: -2.528+/-0.971 χ^2 /NDF: 74.8/18

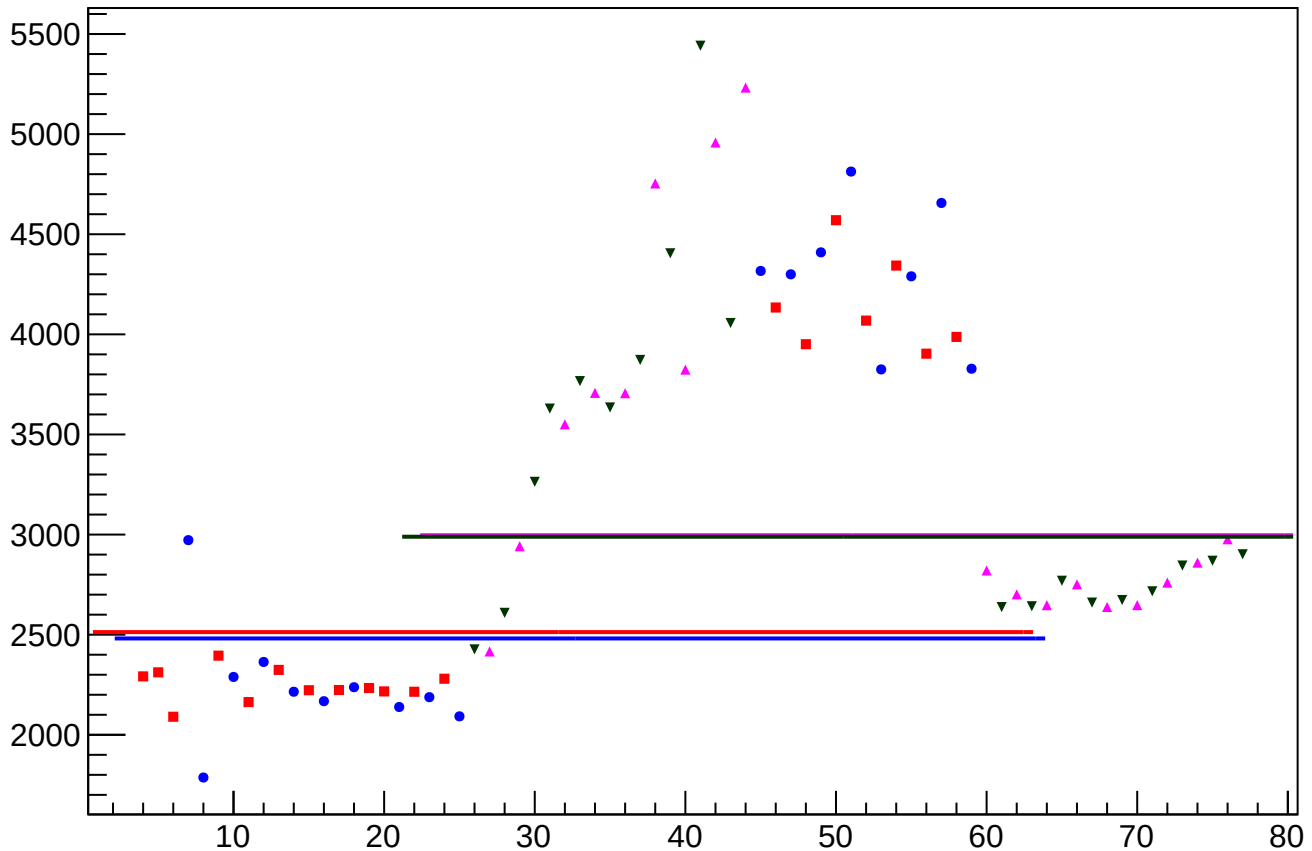
Right Out: -28.584+/-0.826 χ^2 /NDF: 168.7/18

Left In: 5.432+/-0.956 χ^2 /NDF: 244.5/17

-18.371+/-0.609 χ^2 /NDF: 2371.8/36

-14.037+/-0.625 χ^2 /NDF: 1137.7/36

diff_bpm0l03Y_rms vs slug



Right In: 2481.193+/-0.553 χ^2/NDF : 2112375.4/17

Left Out: 2989.274+/-0.686 χ^2/NDF : 752219.8/18

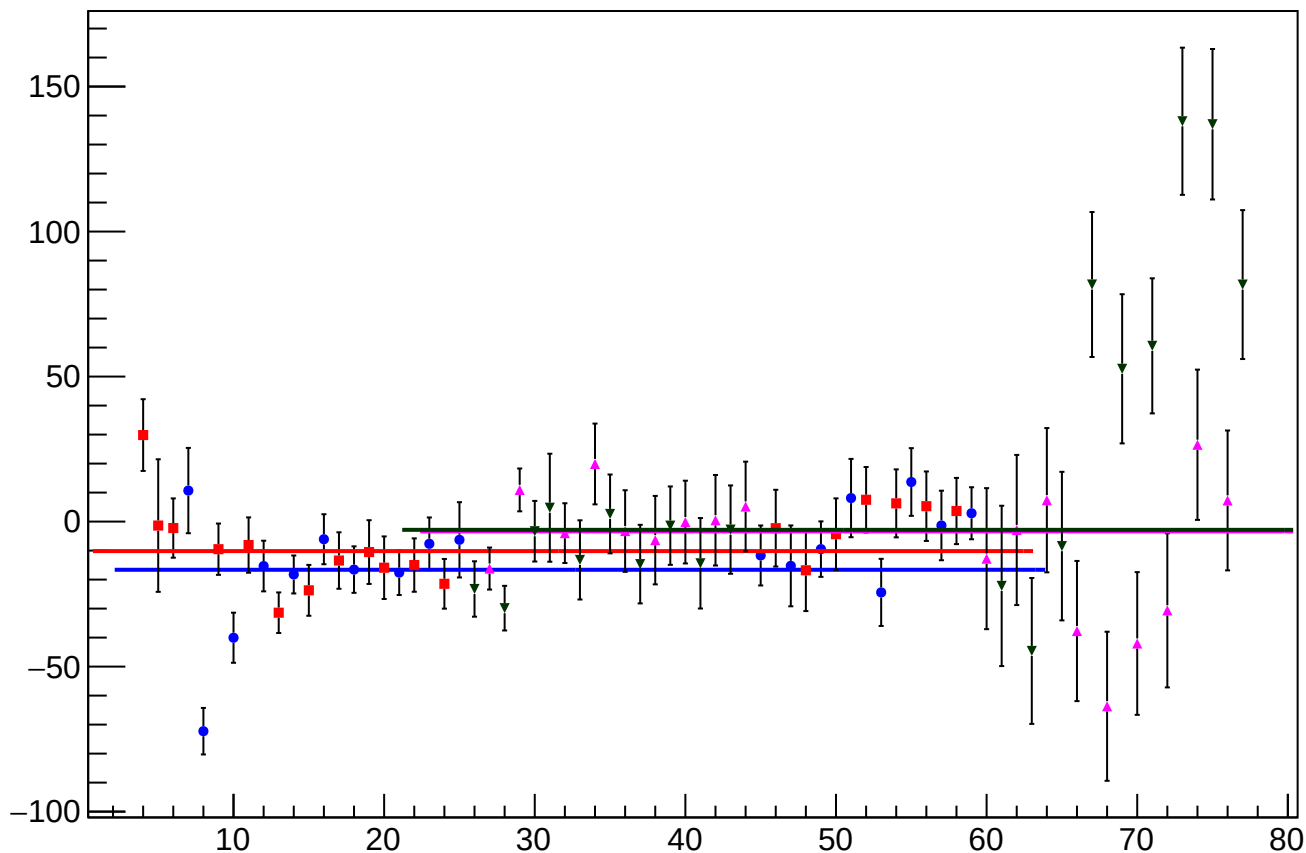
2681.217+/-0.431 χ^2/NDF : 3196923.5/36

Right Out: 2512.934+/-0.584 χ^2/NDF : 1298593.5/18

2719.934+/-0.442 χ^2/NDF : 2430212.3/36

Left In: 2996.955+/-0.676 χ^2/NDF : 838216.6/17

diff_bpm0l04X_mean vs slug



Right In: -16.612 ± 2.242 $\chi^2/\text{NDF}: 79.9/17$

Left Out: -2.846 ± 3.451 $\chi^2/\text{NDF}: 116.7/18$

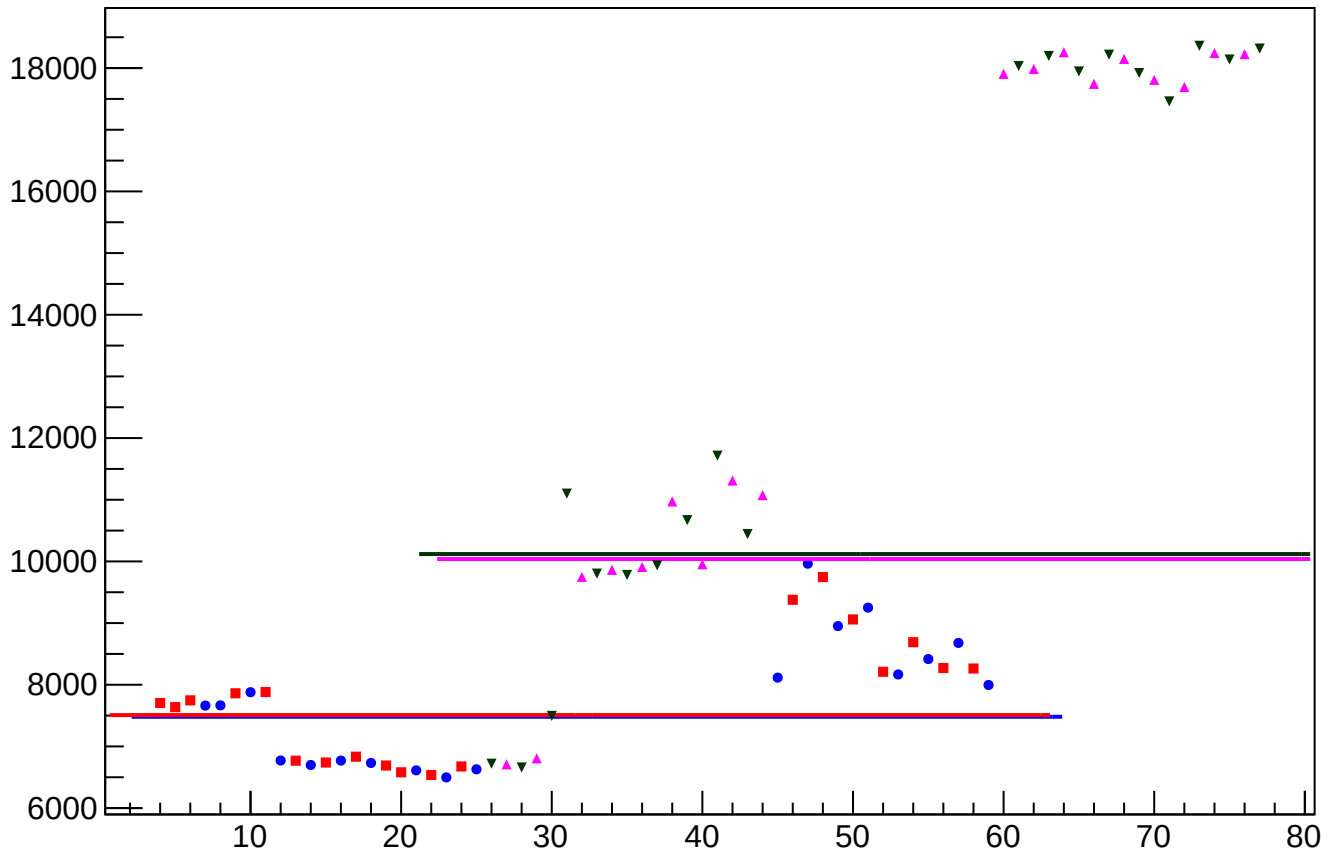
Right Out: -10.172 ± 2.389 $\chi^2/\text{NDF}: 33.7/18$

Left In: -3.384 ± 3.355 $\chi^2/\text{NDF}: 23.0/17$

-12.527 ± 1.880 $\chi^2/\text{NDF}: 207.7/36$

-7.888 ± 1.946 $\chi^2/\text{NDF}: 59.4/36$

diff_bpm0l04X_rms vs slug



Right In: 7480.718+/-1.585 χ^2/NDF : 334863.0/17

Left Out: 10119.352+/-2.441 χ^2/NDF : 2573282.8/18

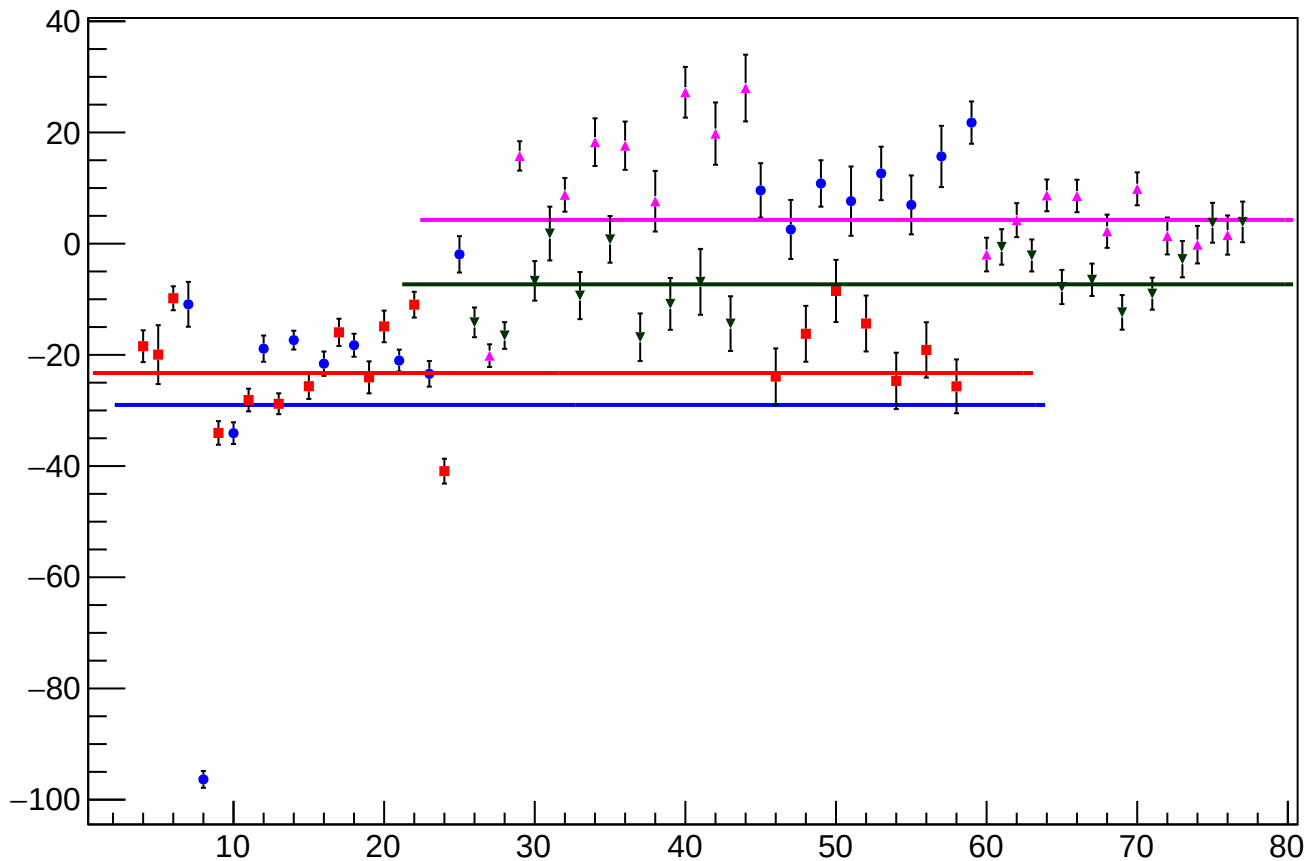
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 10038.840+/-2.372 χ^2/NDF : 2653242.6/17

8263.600+/-1.329 χ^2/NDF : 3730265.9/36

8359.815+/-1.376 χ^2/NDF : 3697845.4/36

diff_bpm0l04Y_mean vs slug



Right In: -29.007 ± 0.618 χ^2/NDF : 2792.0/17

Left Out: -7.314 ± 0.783 χ^2/NDF : 68.1/18

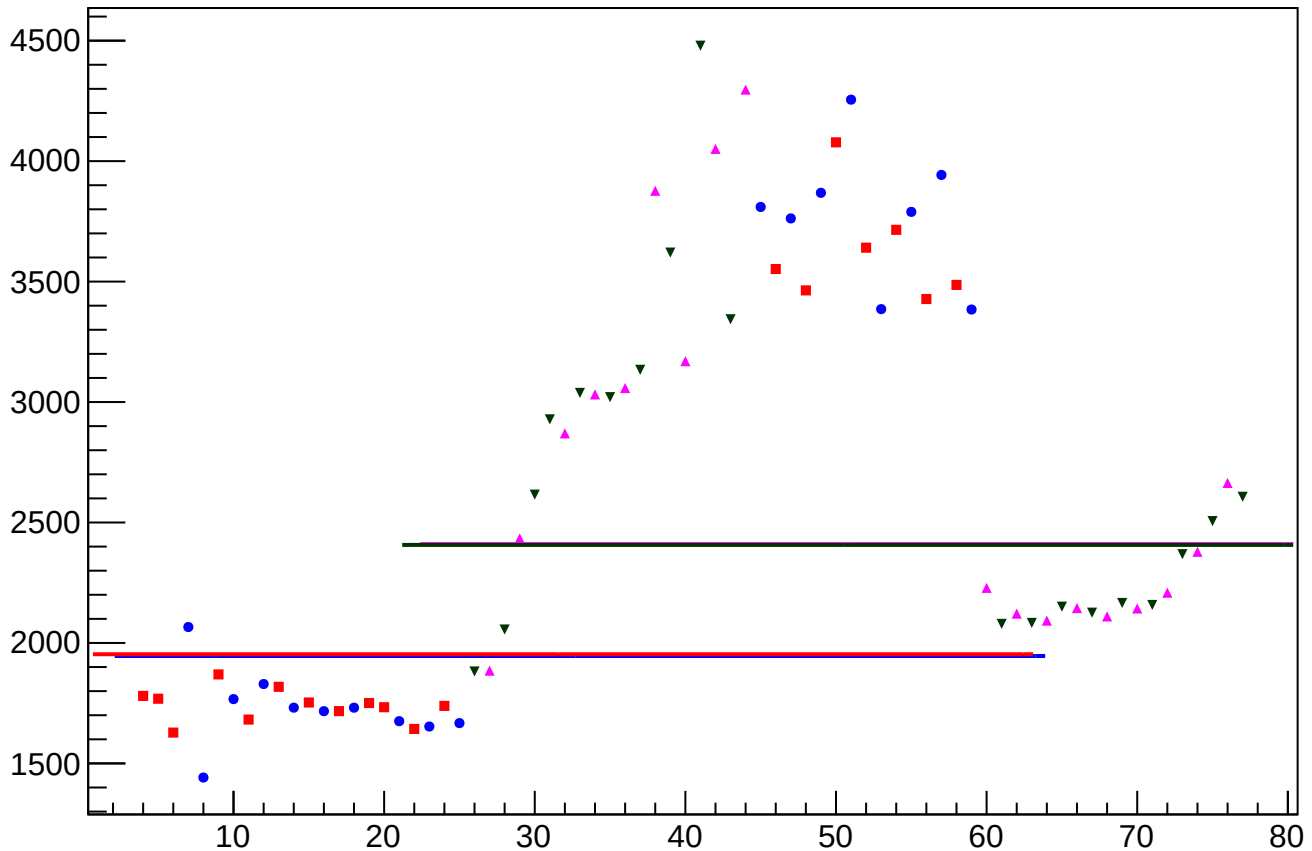
Right Out: -23.263 ± 0.648 χ^2/NDF : 204.8/18

Left In: 4.269 ± 0.771 χ^2/NDF : 249.7/17

-20.675 ± 0.485 χ^2/NDF : 3332.8/36

-11.865 ± 0.496 χ^2/NDF : 1201.9/36

diff_bpm0l04Y_rms vs slug



Right In: 1945.876+/-0.437 χ^2/NDF : 2599522.0/17

Left Out: 2406.986+/-0.554 χ^2/NDF : 861390.0/18

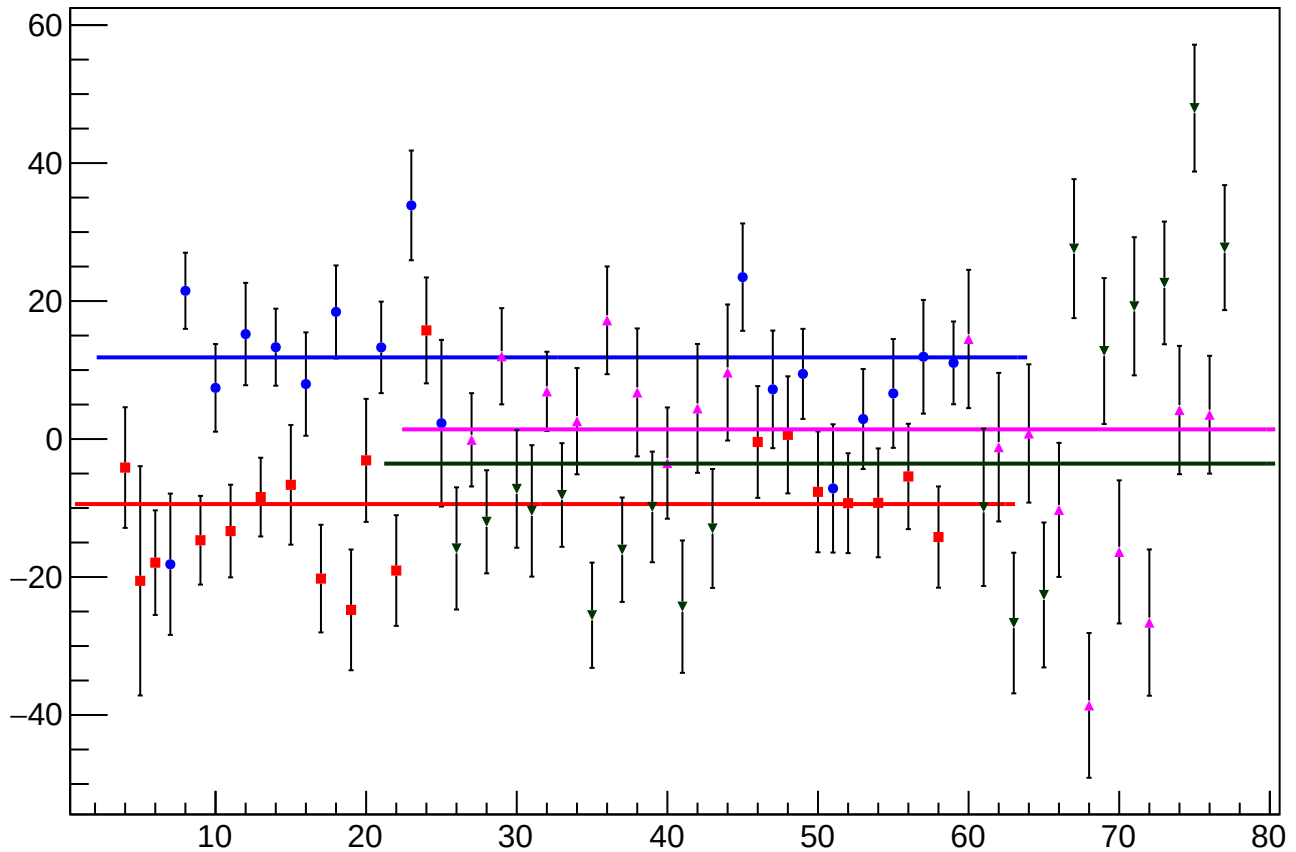
2122.969+/-0.343 χ^2/NDF : 3888095.2/36

Right Out: 1953.157+/-0.458 χ^2/NDF : 1725858.1/18

2142.398+/-0.351 χ^2/NDF : 3093694.5/36

Left In: 2410.292+/-0.545 χ^2/NDF : 955733.7/17

diff_bpm0l05X_mean vs slug



Right In: 11.837 $\pm$ 1.701 χ^2 /NDF: 30.8/17

Left Out: -3.561 $\pm$ 2.043 χ^2 /NDF: 99.7/18

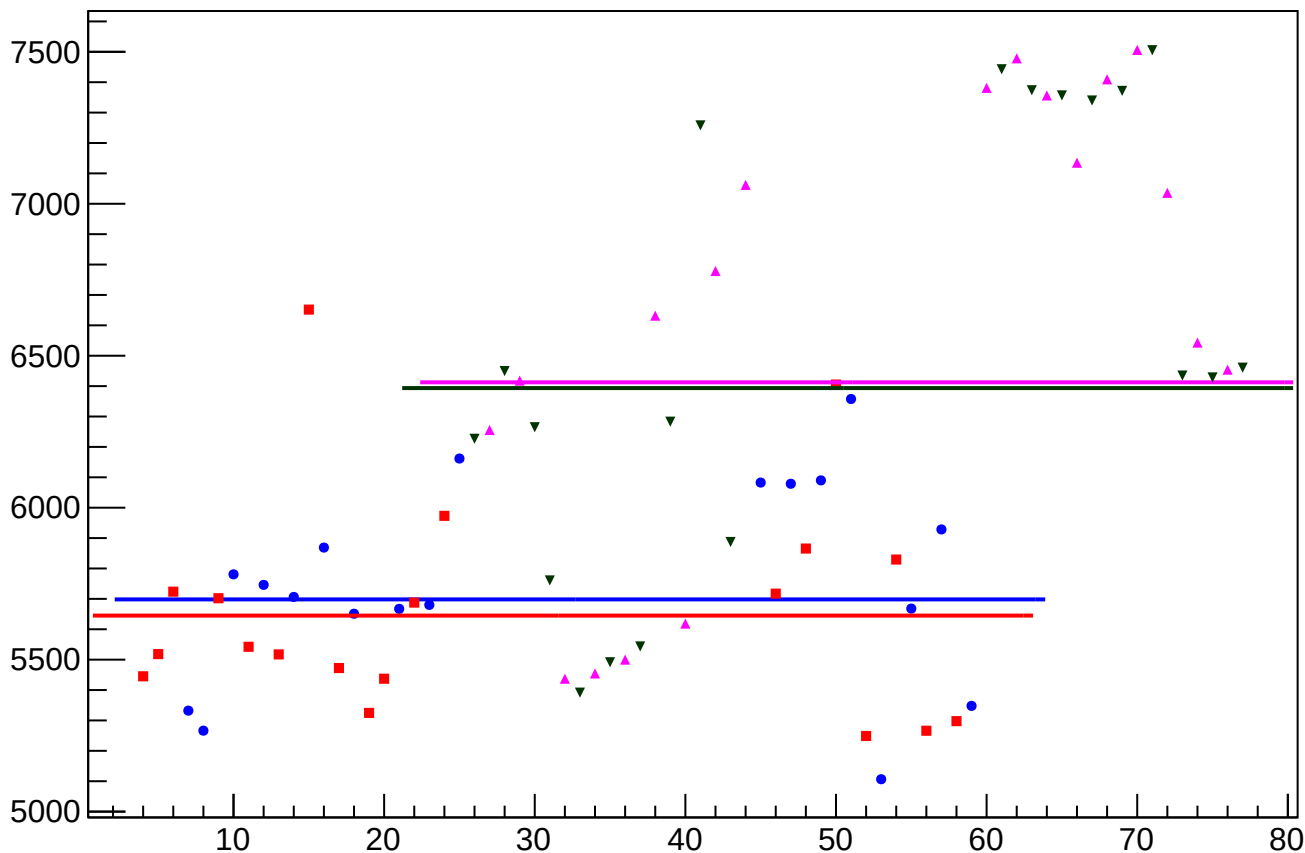
Right Out: -9.425 $\pm$ 1.790 χ^2 /NDF: 24.3/18

Left In: 1.402 $\pm$ 2.014 χ^2 /NDF: 36.7/17

5.534 $\pm$ 1.307 χ^2 /NDF: 164.0/36

-4.648 $\pm$ 1.338 χ^2 /NDF: 77.1/36

diff_bpm0l05X_rms vs slug



Right In: 5698.250+/-1.203 χ^2/NDF : 67217.8/17

Left Out: 6393.584+/-1.445 χ^2/NDF : 234251.3/18

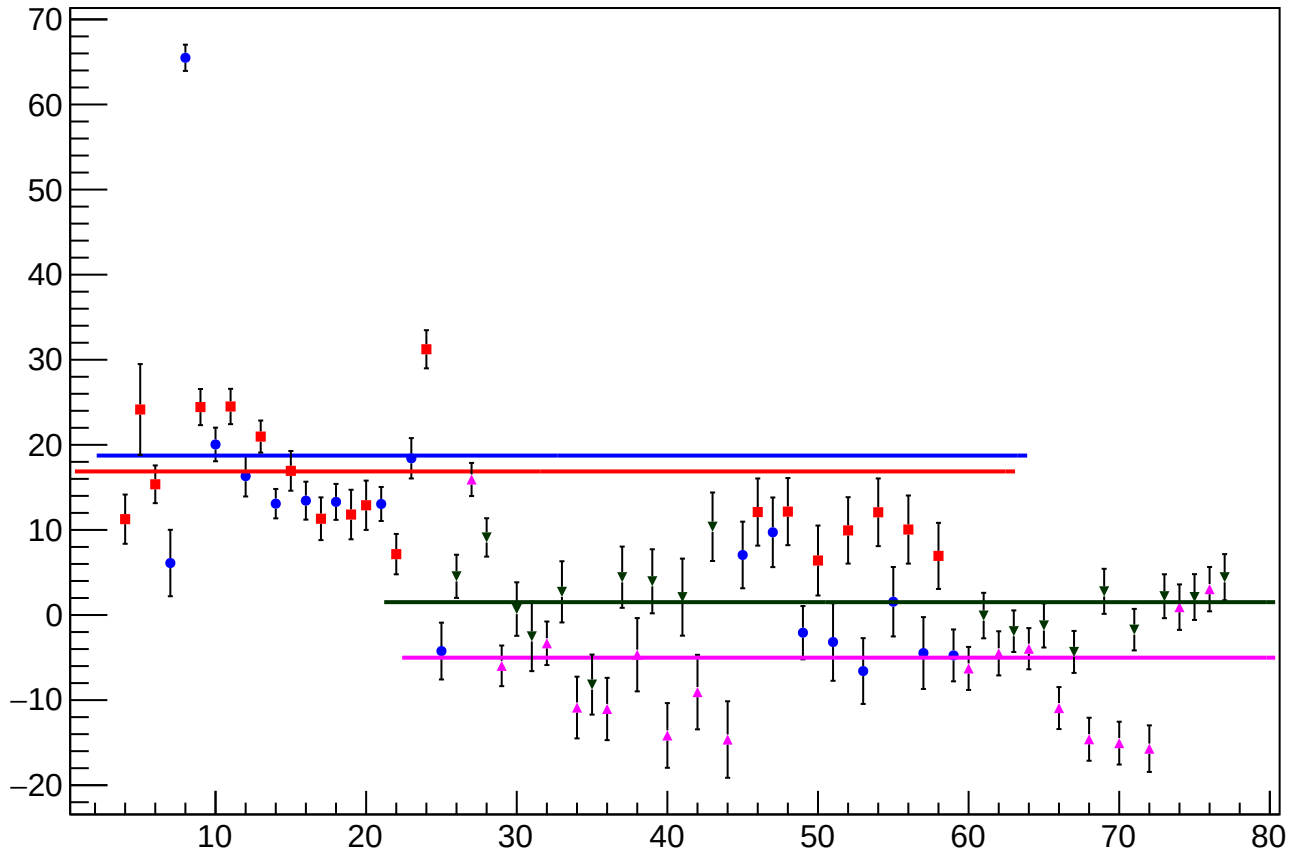
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6412.508+/-1.424 χ^2/NDF : 263953.9/17

5982.893+/-0.924 χ^2/NDF : 438255.5/36

5983.619+/-0.946 χ^2/NDF : 497660.7/36

diff_bpm0l05Y_mean vs slug



Right In: 18.738 ± 0.602 χ^2/NDF : 1241.3/17

Left Out: 1.512 ± 0.662 χ^2/NDF : 39.8/18

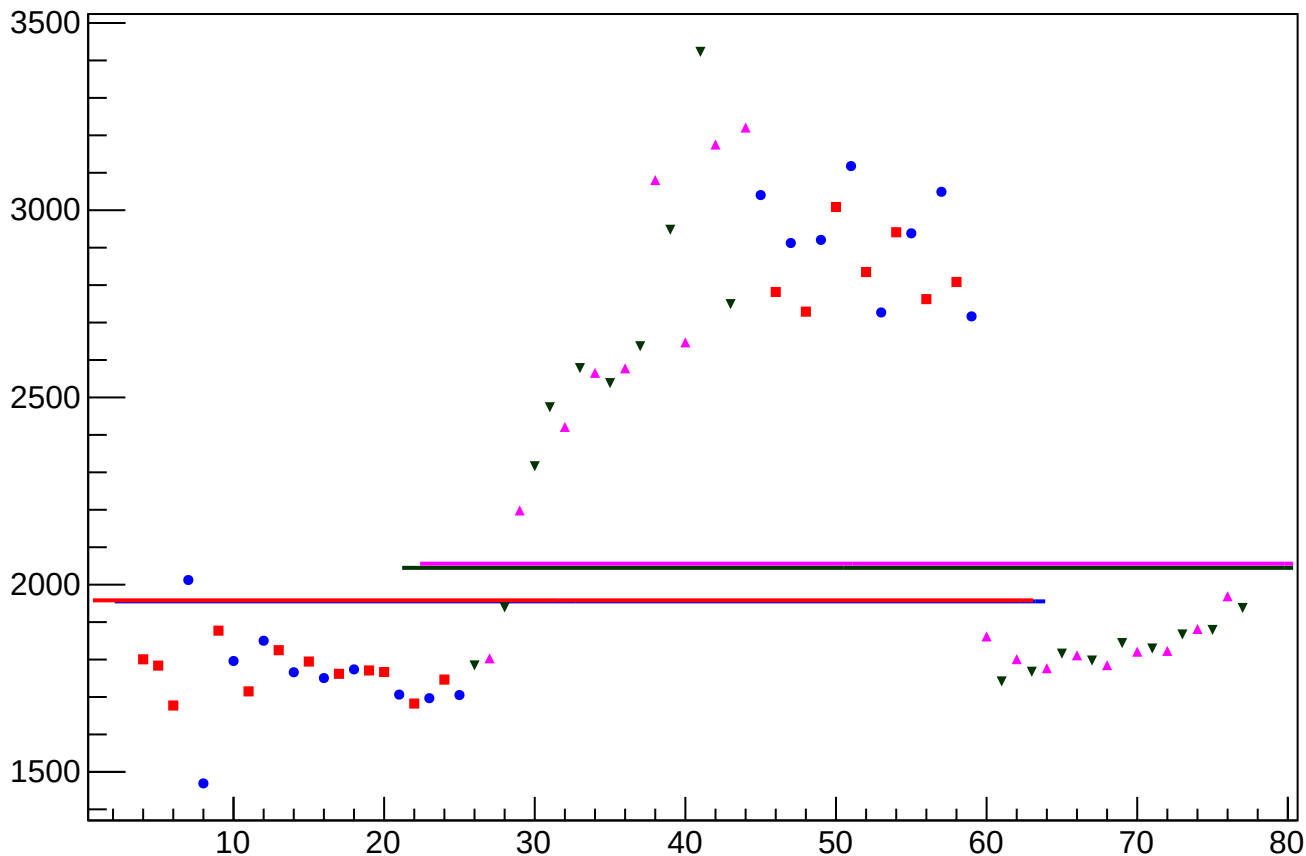
Right Out: 16.874 ± 0.633 χ^2/NDF : 128.0/18

Left In: -5.012 ± 0.653 χ^2/NDF : 199.0/17

10.940 ± 0.445 χ^2/NDF : 1652.2/36

6.274 ± 0.455 χ^2/NDF : 905.6/36

diff_bpm0l05Y_rms vs slug



Right In: 1955.370 $\pm$ 0.425 χ^2 /NDF: 1375682.1/17

Left Out: 2044.923 $\pm$ 0.468 χ^2 /NDF:695878.5/18

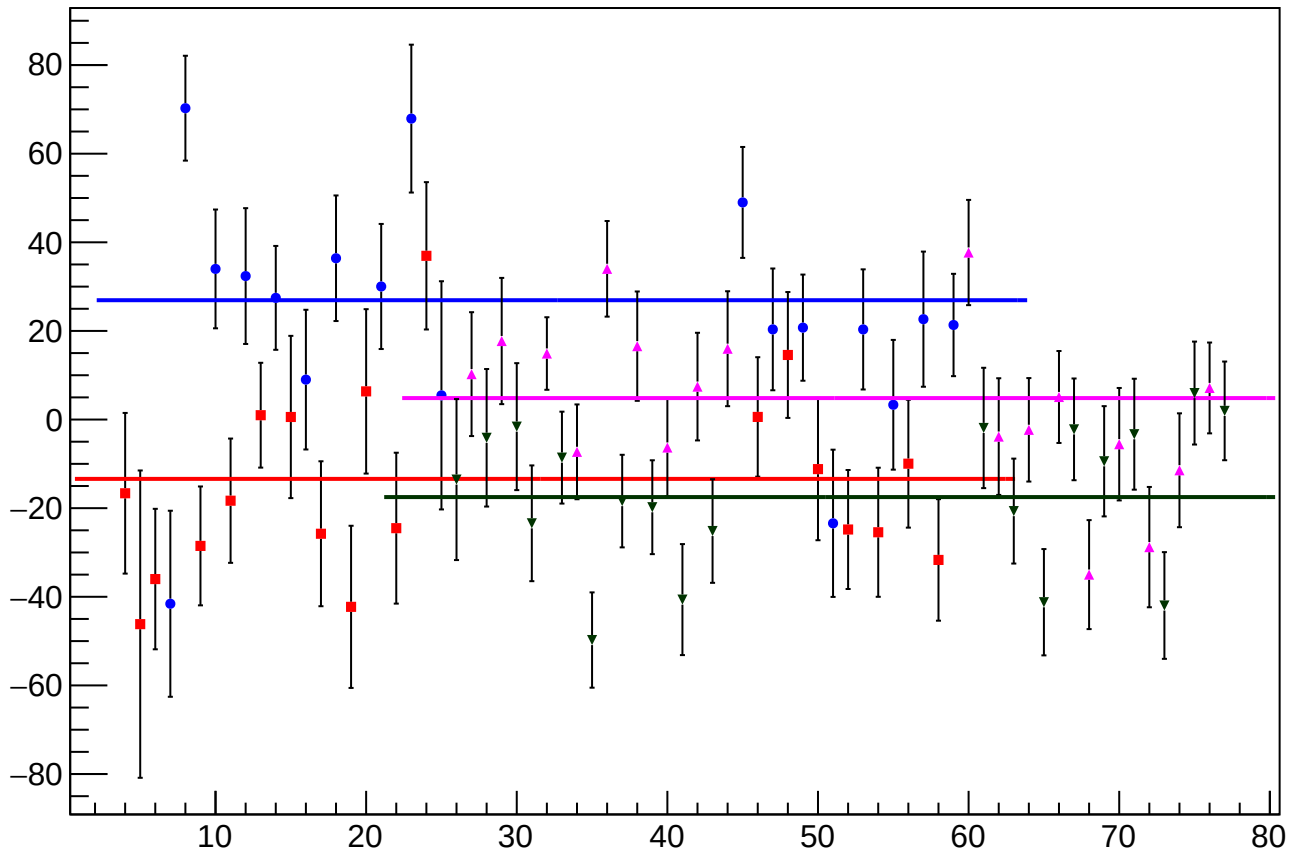
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

Left In: 2056.067 $\pm$ 0.462 χ^2 /NDF:730982.5/17

1995.910 $\pm$ 0.315 χ^2 /NDF: 2091618.6/36

2005.553 $\pm$ 0.322 χ^2 /NDF: 1612234.2/36

diff_bpm0l06X_mean vs slug



Right In: 26.931 ± 3.337 χ^2/NDF : 48.9/17

Left Out: -17.497 ± 2.774 χ^2/NDF : 35.9/18

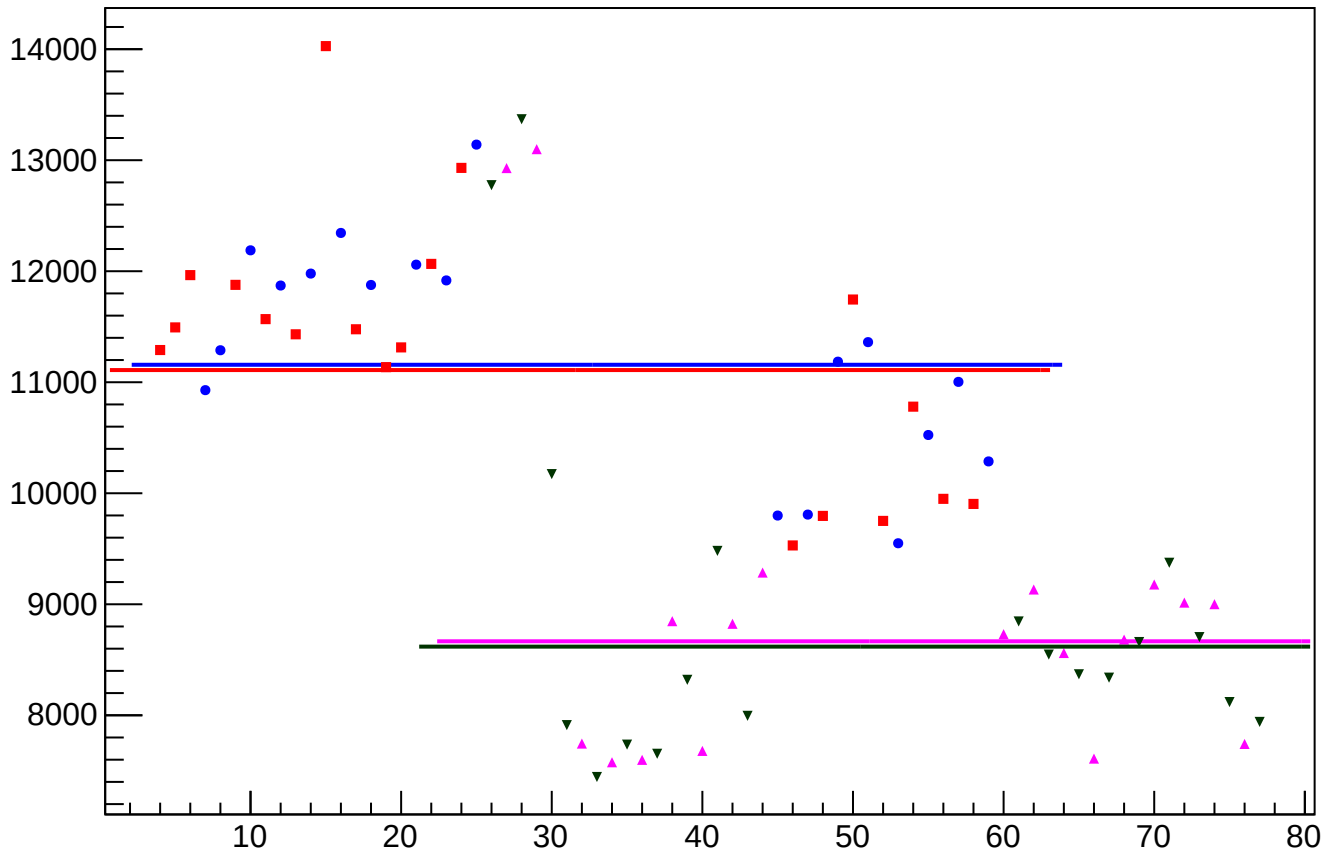
Right Out: -13.392 ± 3.535 χ^2/NDF : 28.4/18

Left In: 4.845 ± 2.741 χ^2/NDF : 41.2/17

0.662 ± 2.133 χ^2/NDF : 189.6/36

-2.003 ± 2.166 χ^2/NDF : 86.2/36

diff_bpm0l06X_rms vs slug



Right In: 11157.335 $\pm$ 2.359 χ^2 /NDF: 153724.7/17

Left Out: 8618.507 $\pm$ 1.962 χ^2 /NDF: 415624.3/18

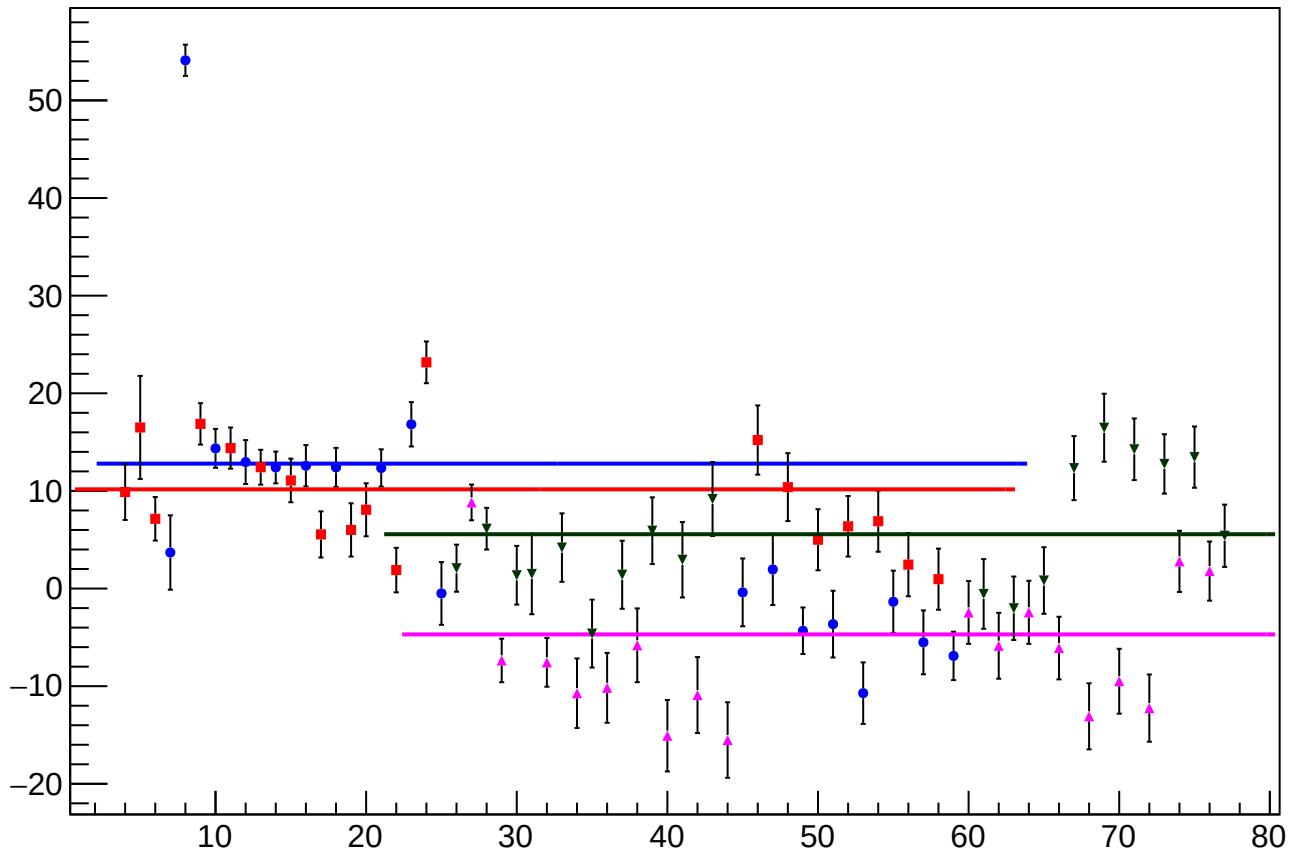
9656.188 $\pm$ 1.508 χ^2 /NDF: 1253938.3/36

Right Out: 11109.639 $\pm$ 2.499 χ^2 /NDF: 196396.7/18

9583.923 $\pm$ 1.532 χ^2 /NDF: 1305467.6/36

Left In: 8666.493 $\pm$ 1.938 χ^2 /NDF: 512357.3/17

diff_bpm0l06Y_mean vs slug



Right In: 12.794 ± 0.559 χ^2/NDF : 961.0/17

Left Out: 5.565 ± 0.731 χ^2/NDF : 60.6/18

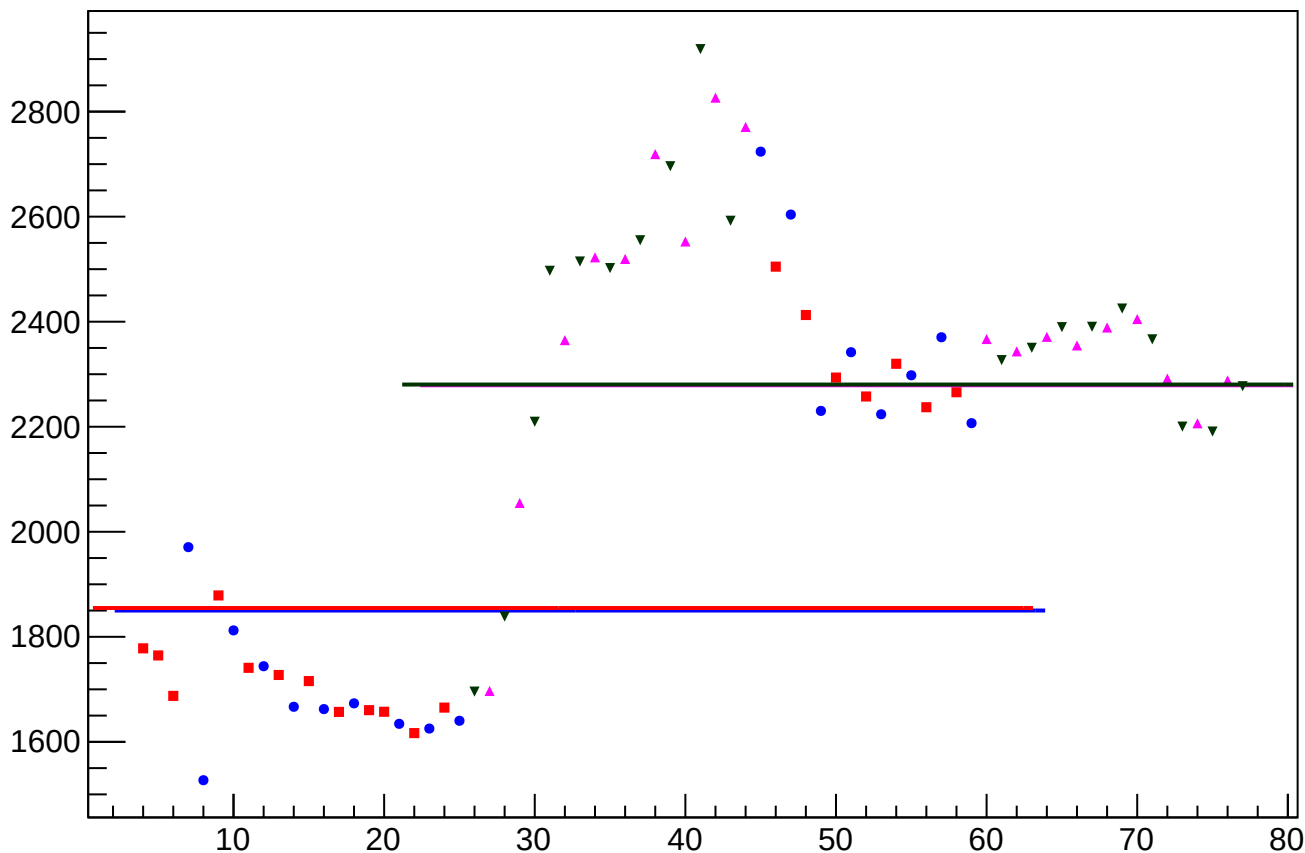
Right Out: 10.162 ± 0.592 χ^2/NDF : 97.7/18

Left In: -4.696 ± 0.717 χ^2/NDF : 105.4/17

10.125 ± 0.444 χ^2/NDF : 1083.3/36

4.137 ± 0.457 χ^2/NDF : 458.2/36

diff_bpm0l06Y_rms vs slug



Right In: 1850.054+/-0.395 χ^2/NDF : 663006.9/17

Left Out: 2280.341+/-0.517 χ^2/NDF : 350837.5/18

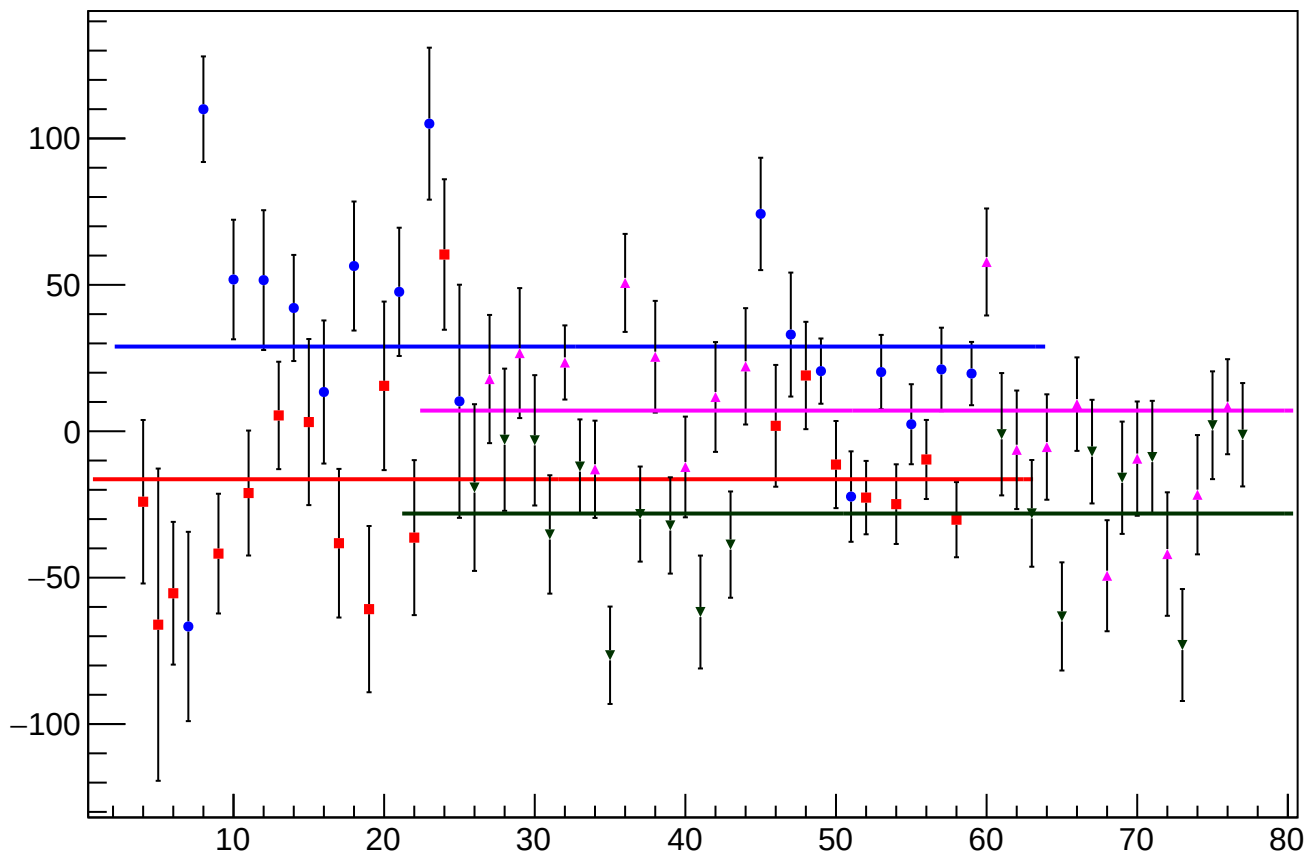
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2278.933+/-0.507 χ^2/NDF : 364030.2/17

2008.898+/-0.314 χ^2/NDF : 1451339.1/36

2026.822+/-0.323 χ^2/NDF : 1187689.0/36

diff_bpm0l07X_mean vs slug



Right In: 28.924 $\pm$ 4.035 χ^2 /NDF: 65.6/17

Left Out: -28.101 $\pm$ 4.310 χ^2 /NDF: 34.1/18

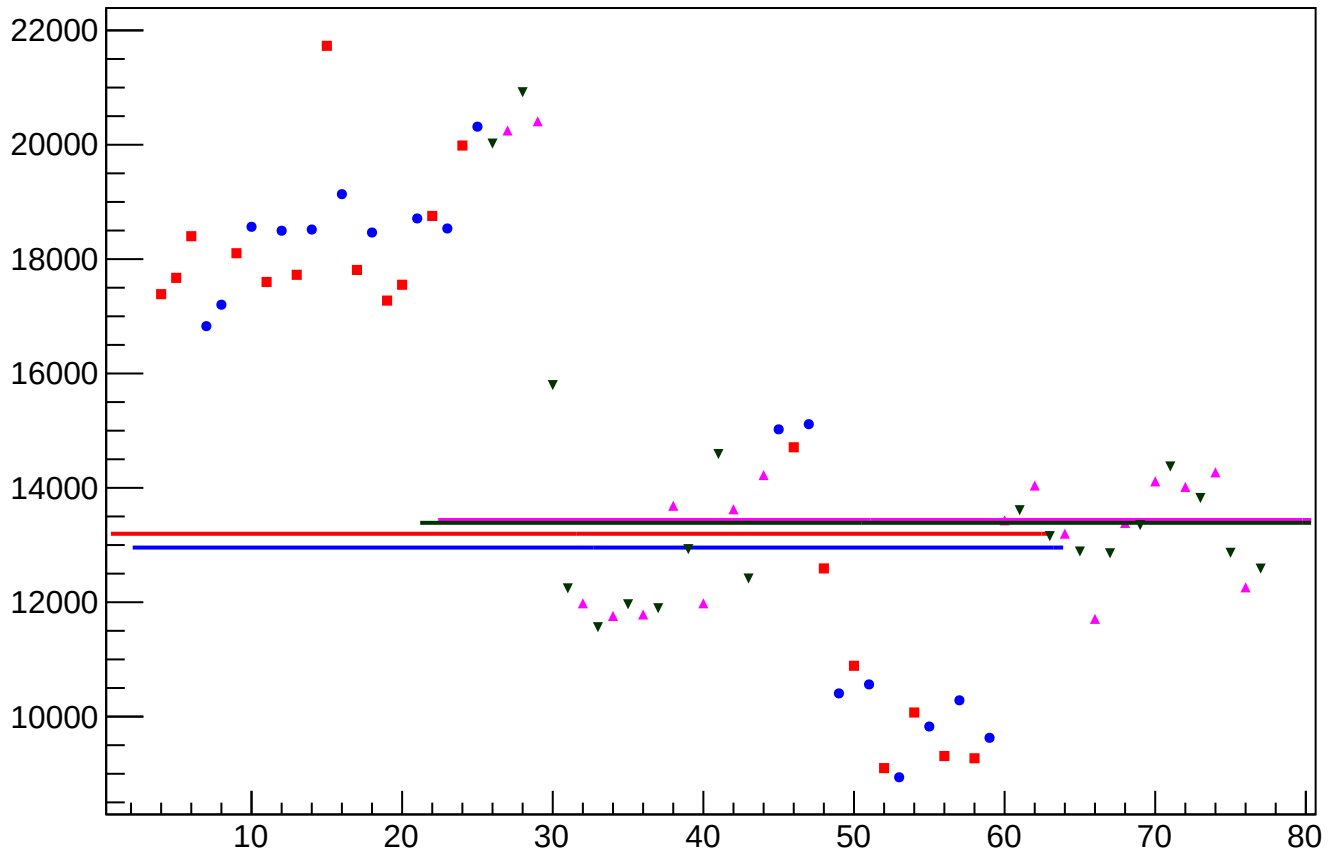
Right Out: -16.388 $\pm$ 4.377 χ^2 /NDF: 27.5/18

Left In: 7.061 $\pm$ 4.250 χ^2 /NDF: 39.4/17

2.287 $\pm$ 2.946 χ^2 /NDF: 193.0/36

-4.319 $\pm$ 3.049 χ^2 /NDF: 81.7/36

diff_bpm0l07X_rms vs slug



Right In: 12955.913 $\pm$ 2.853 χ^2 /NDF: 1900634.7/17

Left Out: 13388.616 $\pm$ 3.048 χ^2 /NDF: 418924.2/18

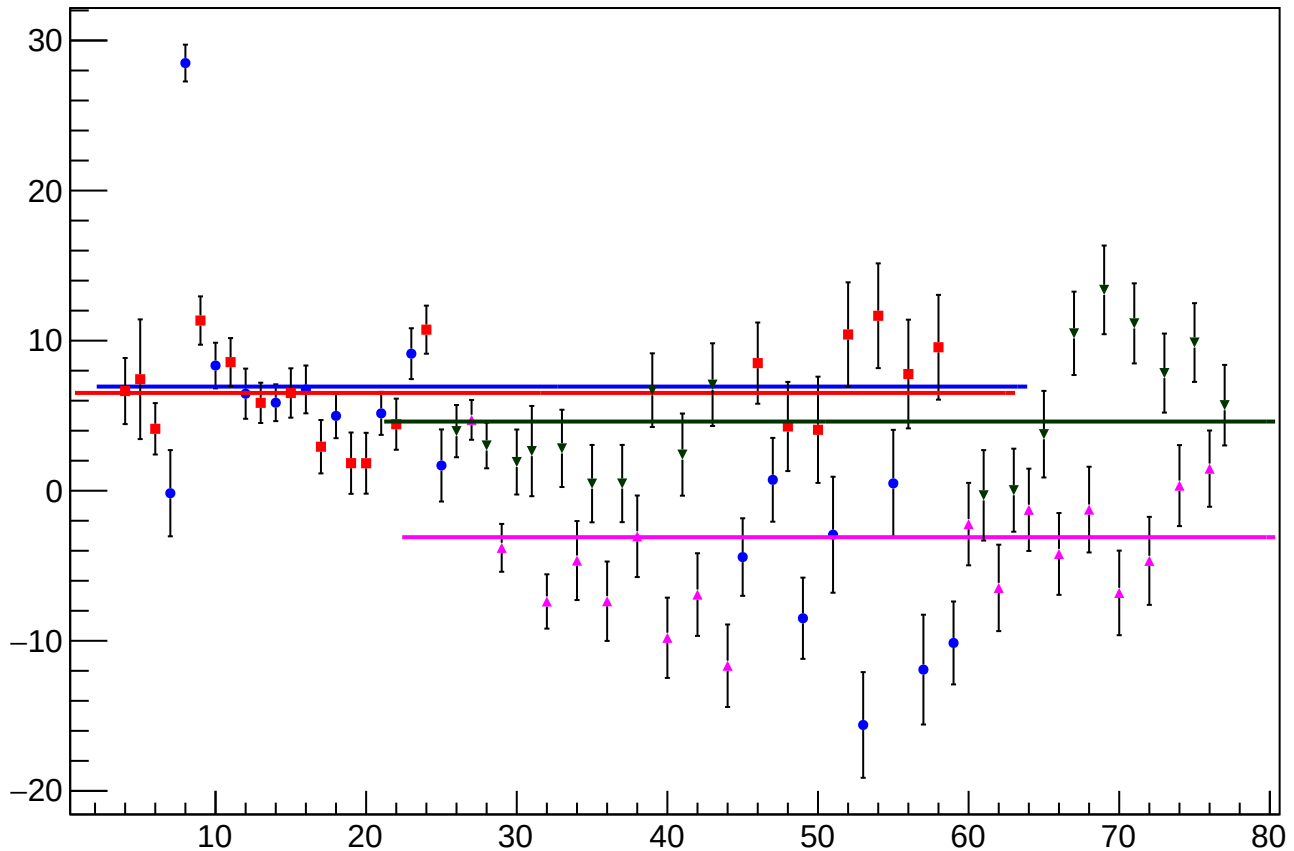
Right Out: 13197.185 $\pm$ 3.095 χ^2 /NDF: 1767752.6/18

Left In: 13437.851 $\pm$ 3.005 χ^2 /NDF: 518729.3/17

13158.036 $\pm$ 2.083 χ^2 /NDF: 2330301.7/36

13321.054 $\pm$ 2.156 χ^2 /NDF: 2289594.0/36

diff_bpm0l07Y_mean vs slug



Right In: 6.939+/-0.450 χ^2/NDF : 499.6/17

Left Out: 4.610+/-0.564 χ^2/NDF : 41.5/18

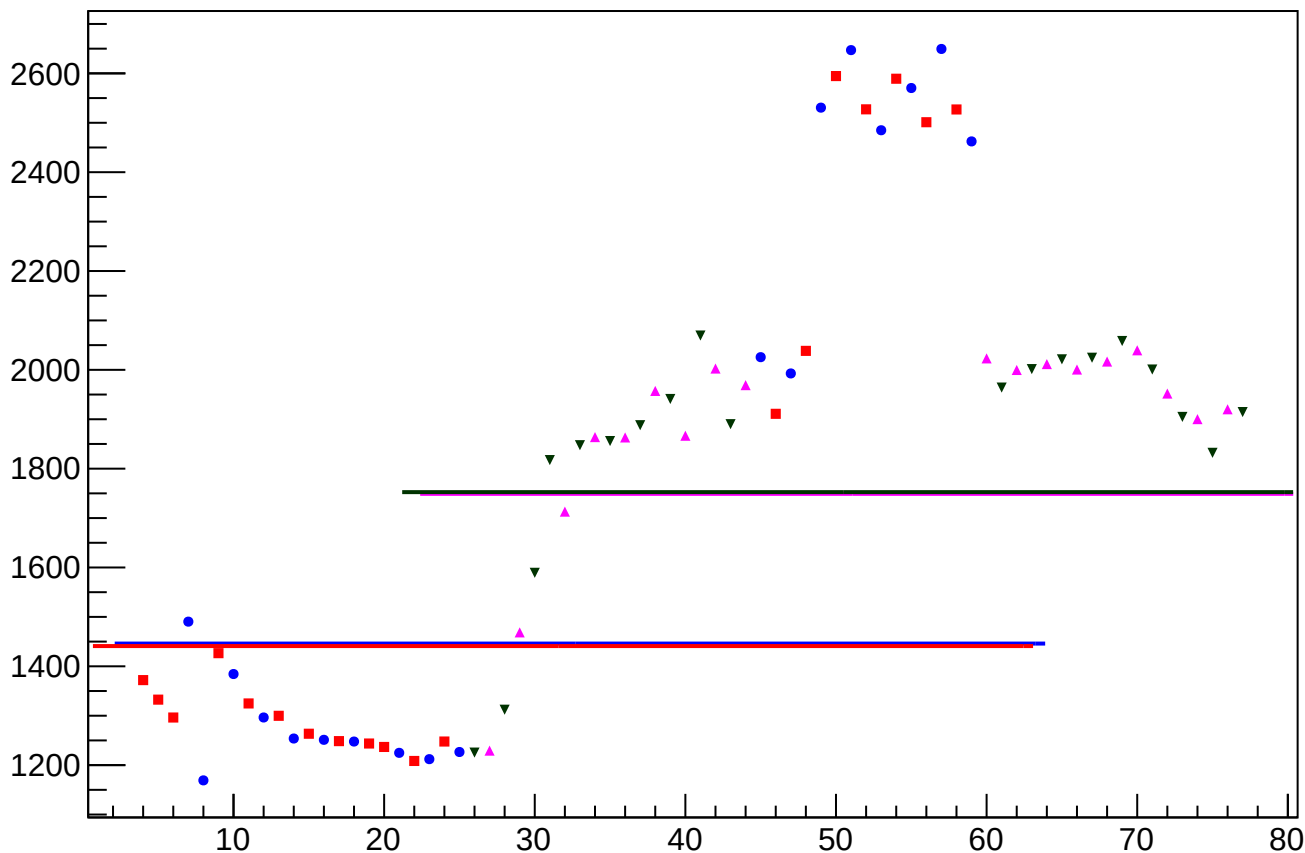
Right Out: 6.517+/-0.472 χ^2/NDF : 41.8/18

Left In: -3.095+/-0.553 χ^2/NDF : 70.7/17

6.034+/-0.352 χ^2/NDF : 551.5/36

2.470+/-0.359 χ^2/NDF : 287.5/36

diff_bpm0l07Y_rms vs slug



Right In: 1446.011+/-0.318 χ^2/NDF : 1891465.4/17

Left Out: 1752.494+/-0.399 χ^2/NDF : 535021.2/18

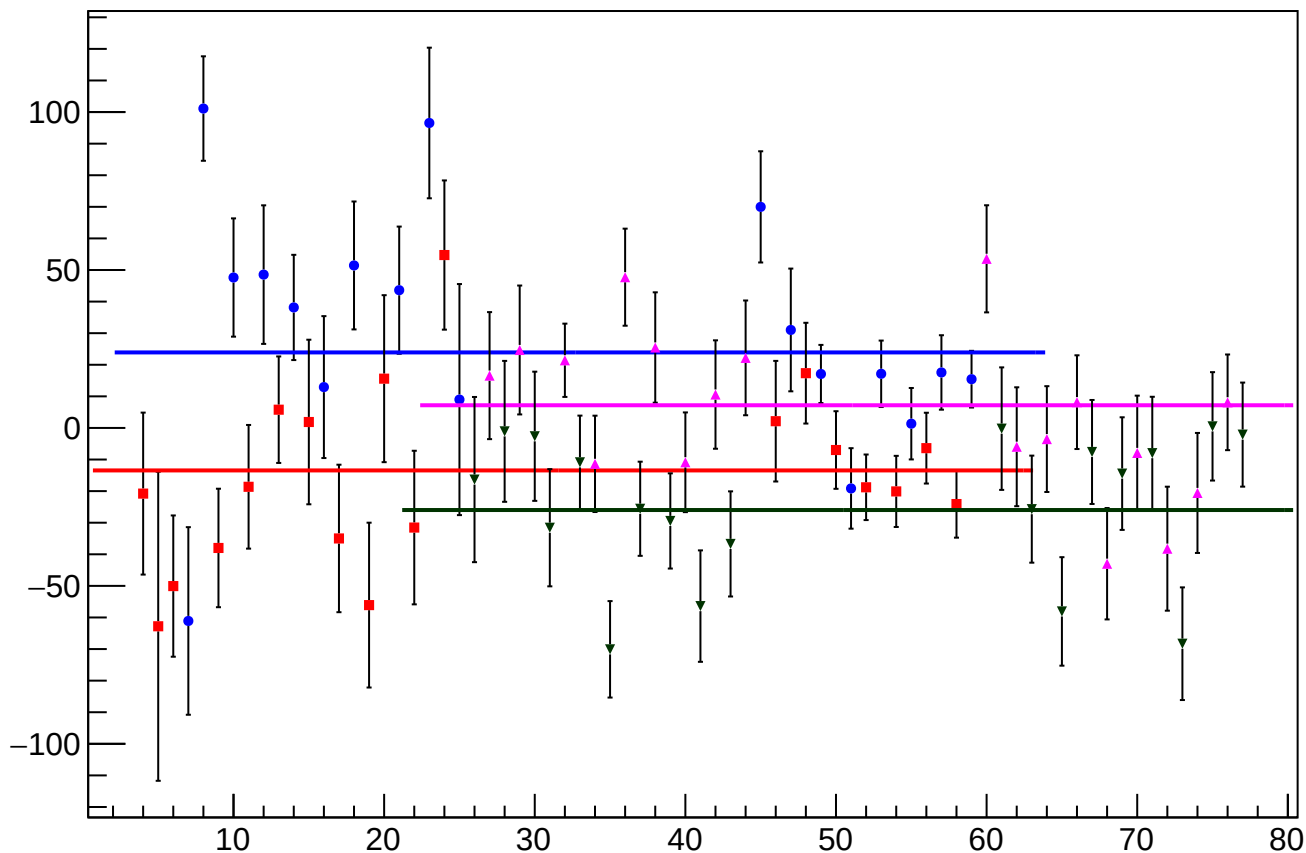
Right Out: 1440.962+/-0.333 χ^2/NDF : 1333198.7/18

Left In: 1748.951+/-0.391 χ^2/NDF : 556246.3/17

1565.063+/-0.249 χ^2/NDF : 2787477.9/36

1570.655+/-0.254 χ^2/NDF : 2248661.3/36

diff_bpm0l08X_mean vs slug



Right In: 23.908 ± 3.470 χ^2/NDF : 70.6/17

Left Out: -25.985 ± 3.981 χ^2/NDF : 33.7/18

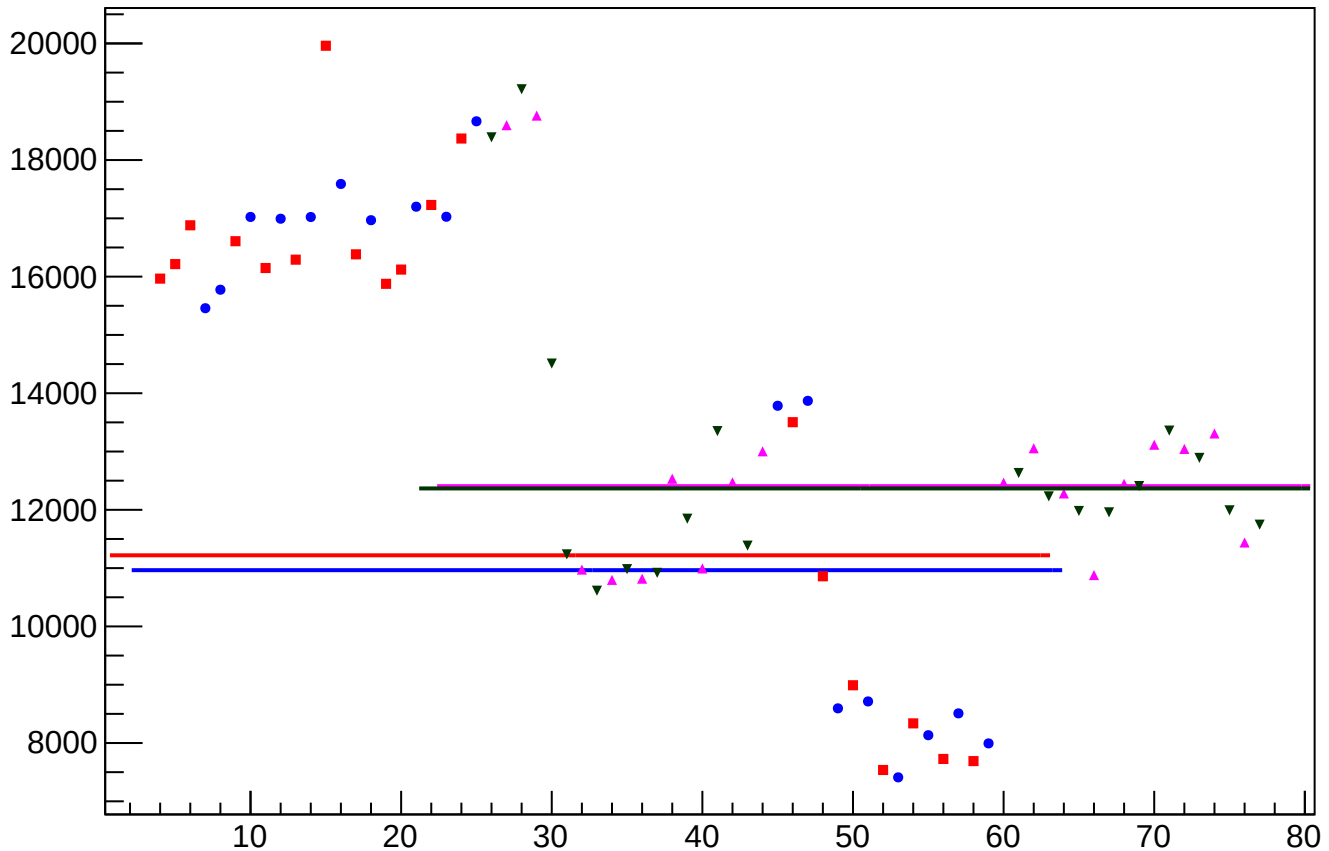
Right Out: -13.450 ± 3.783 χ^2/NDF : 27.5/18

Left In: 7.181 ± 3.924 χ^2/NDF : 38.7/17

2.366 ± 2.616 χ^2/NDF : 193.5/36

-3.510 ± 2.723 χ^2/NDF : 80.5/36

diff_bpm0l08X_rms vs slug



Right In: 10964.744+/-2.454 χ^2/NDF : 2550839.7/17

Left Out: 12366.839+/-2.815 χ^2/NDF : 417447.8/18

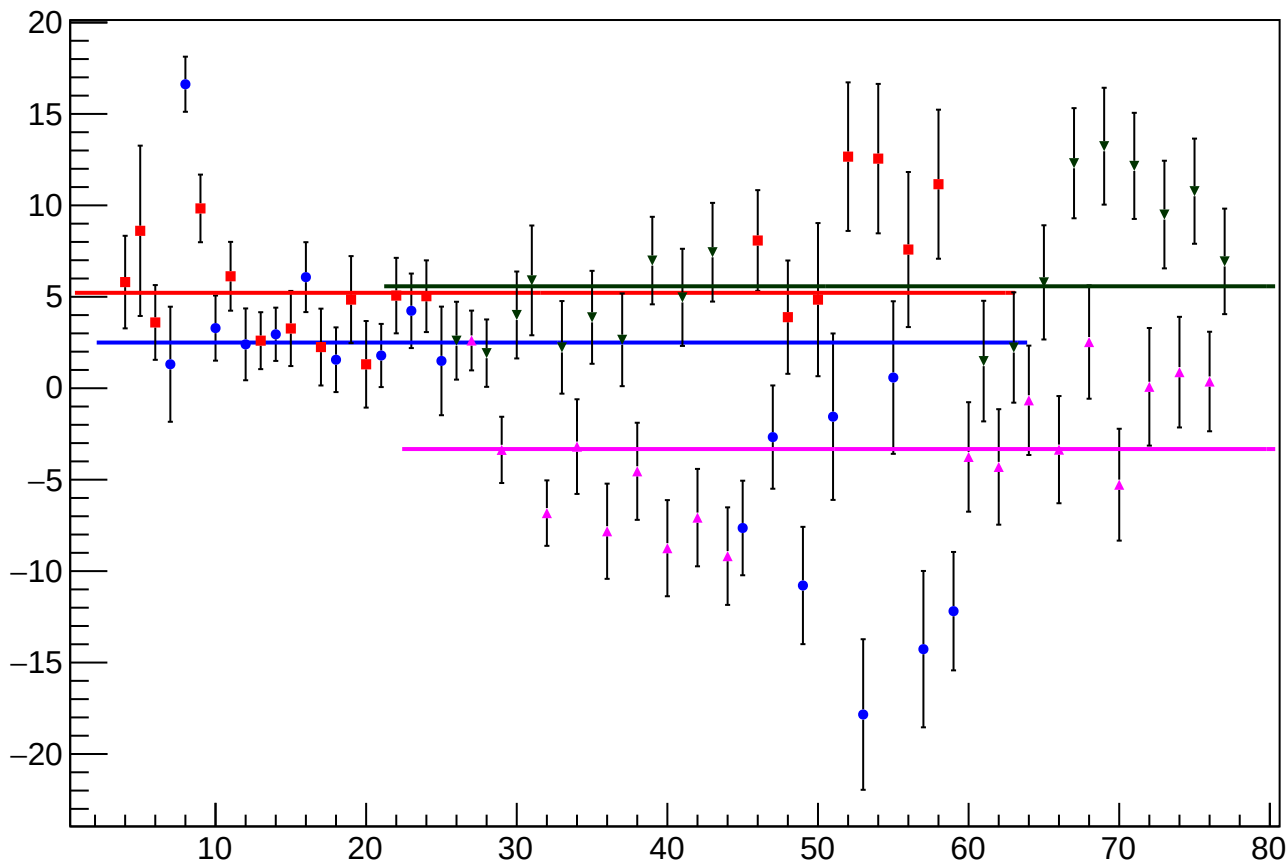
11570.115+/-1.850 χ^2/NDF : 3109276.1/36

Right Out: 11219.959+/-2.675 χ^2/NDF : 2343952.2/18

11791.445+/-1.926 χ^2/NDF : 2956266.9/36

Left In: 12406.148+/-2.774 χ^2/NDF : 517588.4/17

diff_bpm0l08Y_mean vs slug



Right In: 2.499 ± 0.530 χ^2/NDF : 190.3/17

Left Out: 5.575 ± 0.607 χ^2/NDF : 34.7/18

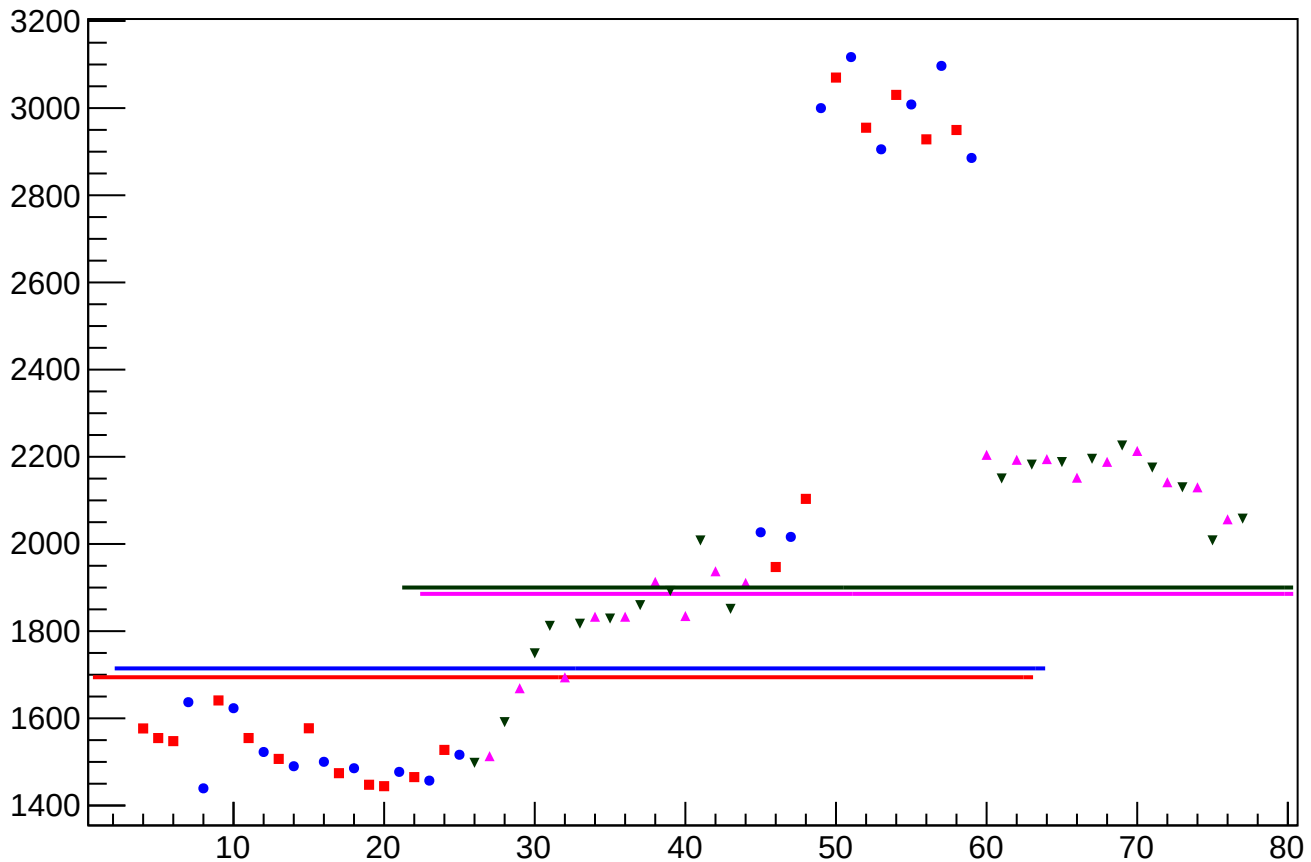
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -3.325 ± 0.592 χ^2/NDF : 41.0/17

3.829 ± 0.399 χ^2/NDF : 239.6/36

1.242 ± 0.404 χ^2/NDF : 178.7/36

diff_bpm0l08Y_rms vs slug



Right In: 1714.550+/-0.375 χ^2/NDF : 1670759.3/17

Left Out: 1900.118+/-0.429 χ^2/NDF : 270613.0/18

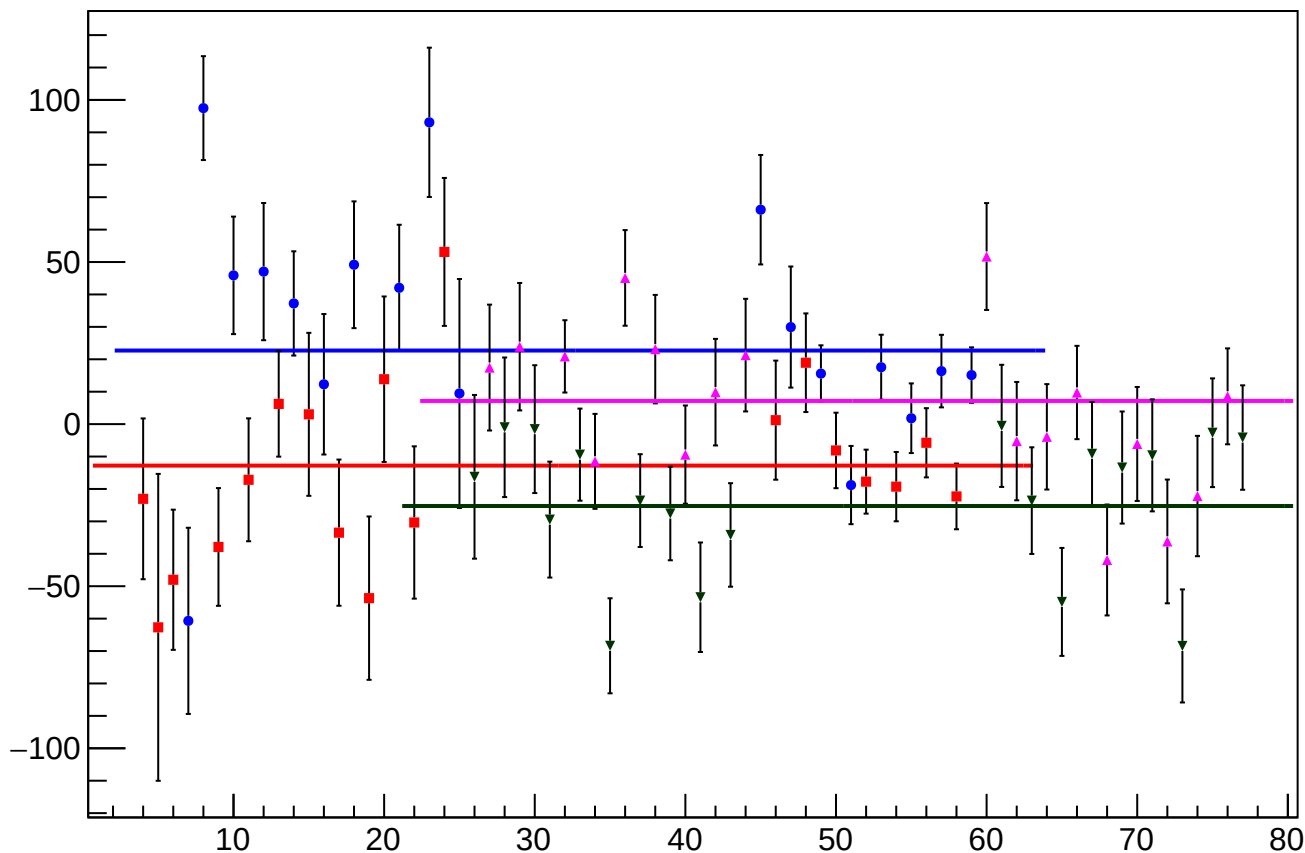
1794.811+/-0.282 χ^2/NDF : 2047341.0/36

Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

1783.278+/-0.286 χ^2/NDF : 1628389.7/36

Left In: 1885.540+/-0.419 χ^2/NDF : 314185.2/17

diff_bpm0l09X_mean vs slug



Right In: 22.698 $\pm$ 3.315 χ^2 /NDF: 70.9/17

Left Out: -25.265 $\pm$ 3.847 χ^2 /NDF:32.8/18

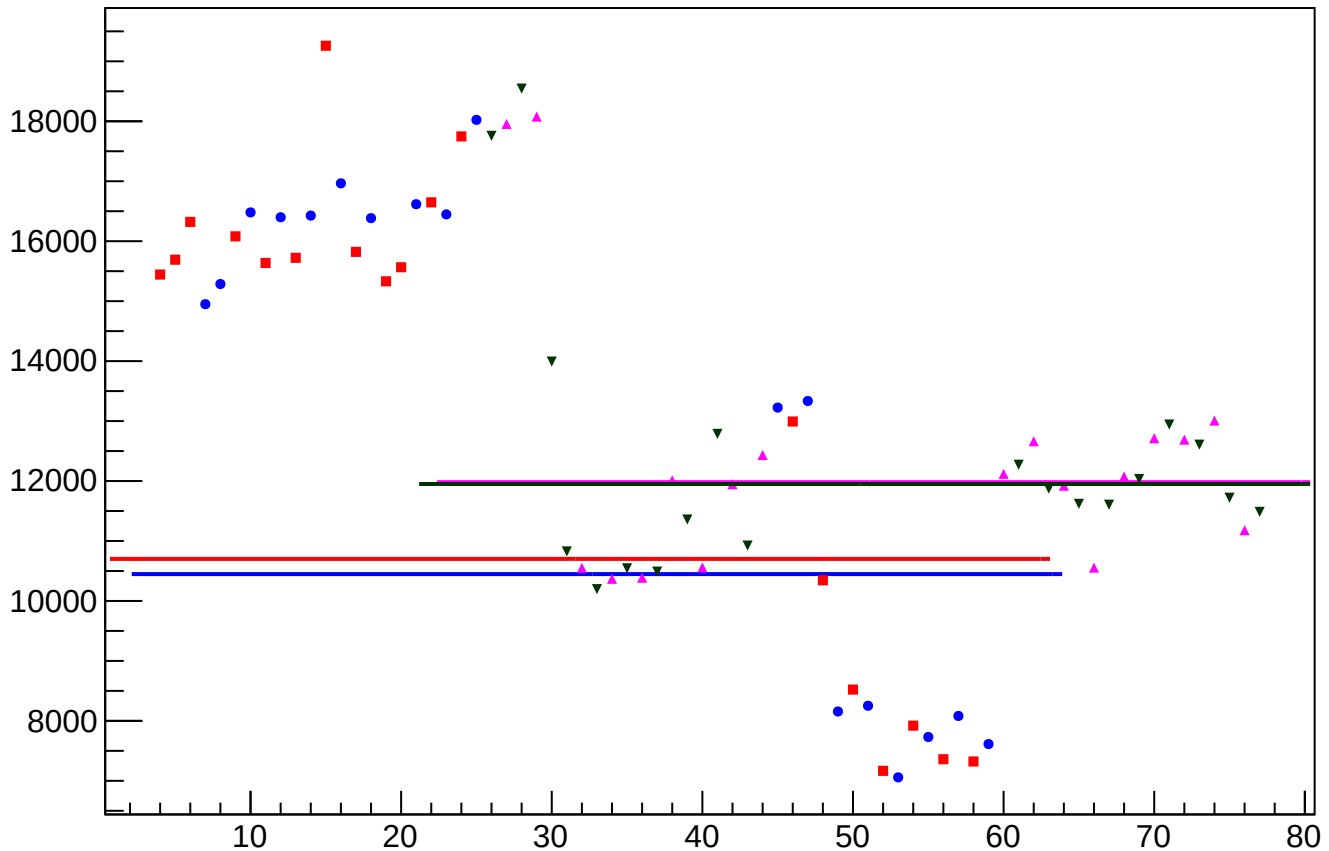
Right Out: -12.799 $\pm$ 3.618 χ^2 /NDF: 28.2/18

Left In: 7.147 $\pm$ 3.790 χ^2 /NDF:38.3/17

2.261 $\pm$ 2.511 χ^2 /NDF: 192.9/36

-3.287 $\pm$ 2.617 χ^2 /NDF: 80.9/36

diff_bpm0l09X_rms vs slug



Right In: 10448.159+/-2.344 χ^2/NDF : 2654654.8/17

Left Out: 11950.385+/-2.720 χ^2/NDF : 422898.1/18

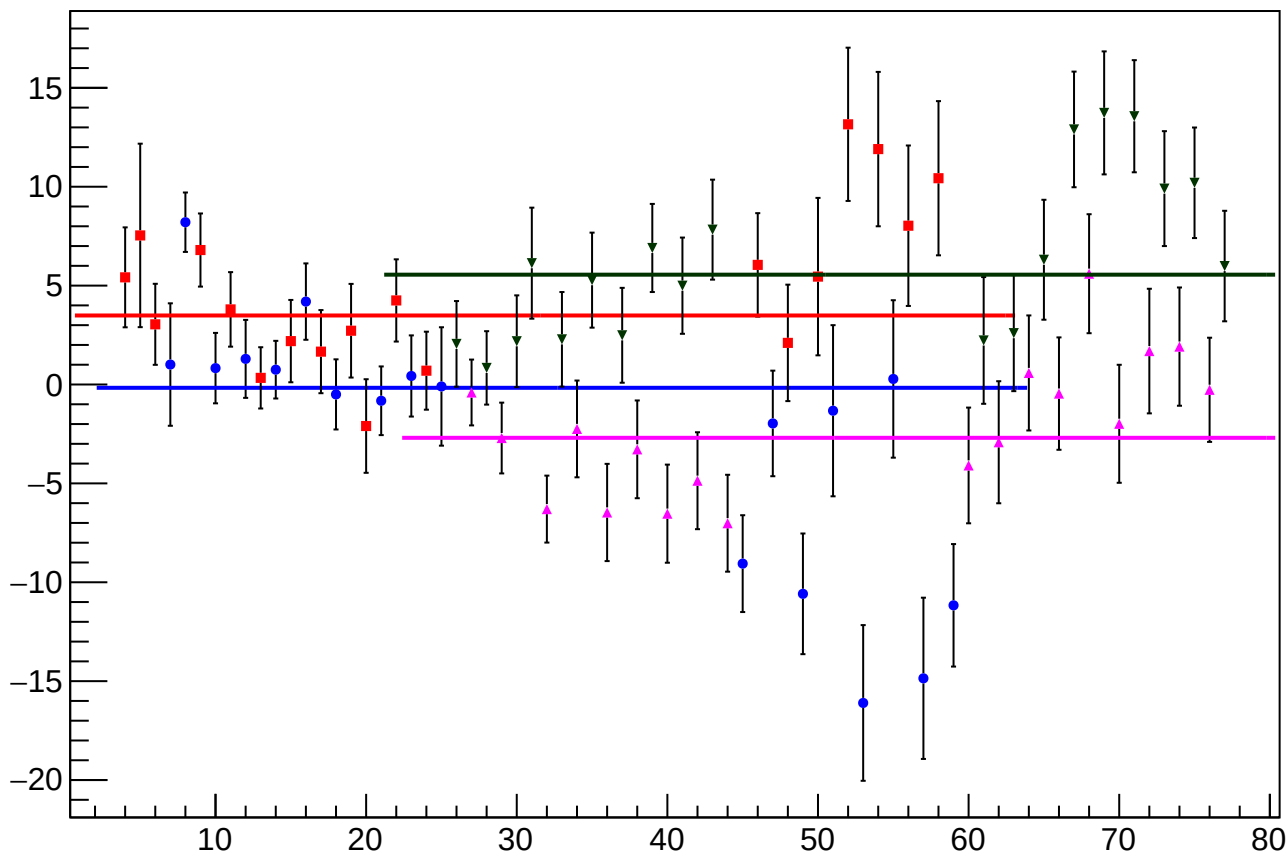
11088.247+/-1.776 χ^2/NDF : 3252565.0/36

Right Out: 10701.460+/-2.558 χ^2/NDF : 2438498.5/18

11311.871+/-1.850 χ^2/NDF : 3079873.2/36

Left In: 11981.475+/-2.680 χ^2/NDF : 522011.2/17

diff_bpm0l09Y_mean vs slug



Right In: -0.167 ± 0.526 $\chi^2/\text{NDF}: 105.2/17$

Left Out: 5.553 ± 0.587 $\chi^2/\text{NDF}: 44.4/18$

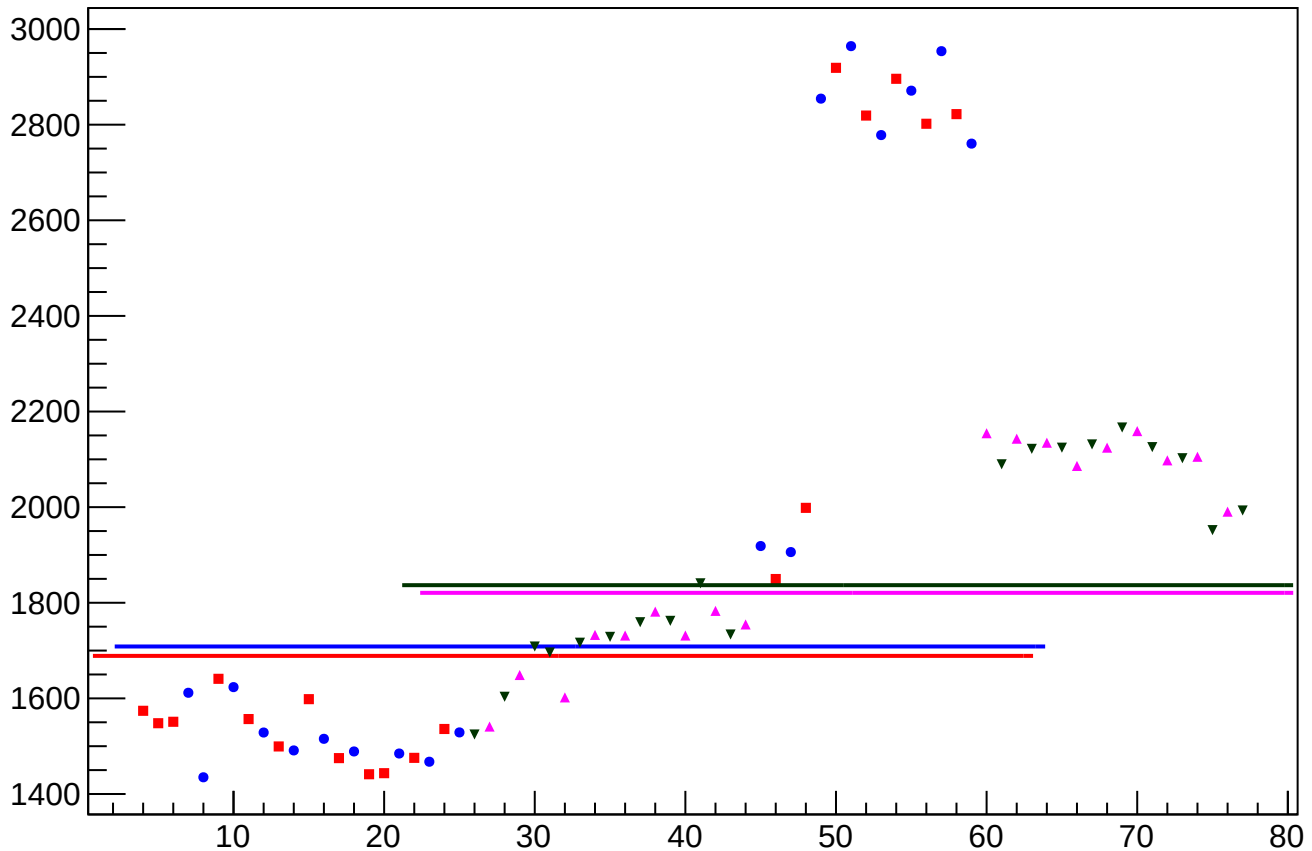
Right Out: 3.490 ± 0.549 $\chi^2/\text{NDF}: 34.4/18$

Left In: -2.696 ± 0.572 $\chi^2/\text{NDF}: 30.1/17$

2.381 ± 0.391 $\chi^2/\text{NDF}: 202.3/36$

0.523 ± 0.396 $\chi^2/\text{NDF}: 125.5/36$

diff_bpm0l09Y_rms vs slug



Right In: 1708.561+/-0.372 χ^2/NDF : 1464594.2/17

Left Out: 1836.801+/-0.415 χ^2/NDF : 240335.8/18

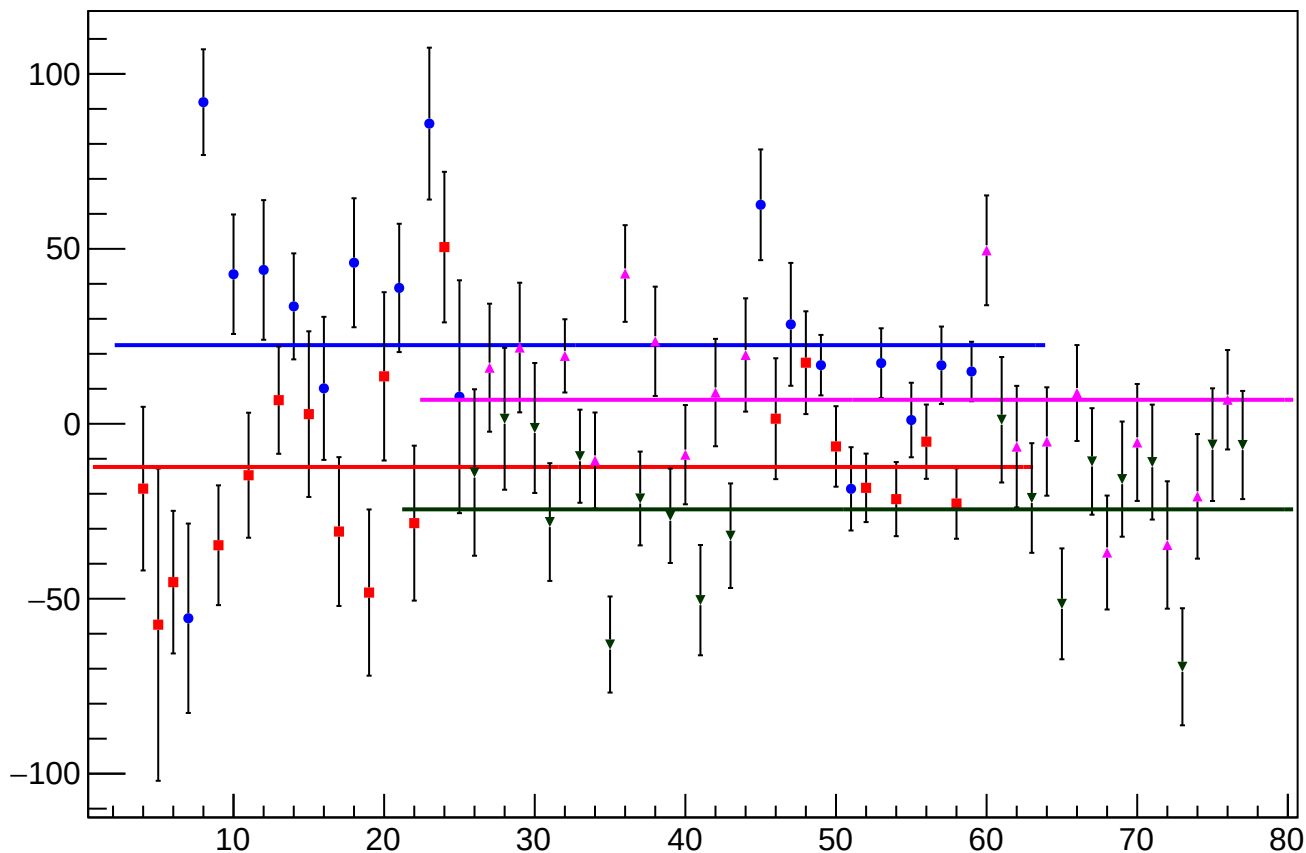
1765.691+/-0.277 χ^2/NDF : 1757942.9/36

Right Out: 1688.902+/-0.388 χ^2/NDF : 1058632.3/18

1752.139+/-0.280 χ^2/NDF : 1409226.9/36

Left In: 1820.768+/-0.404 χ^2/NDF : 295247.4/17

diff_bpm0l10X_mean vs slug



Right In: 22.480 ± 3.228 χ^2/NDF : 68.3/17

Left Out: -24.456 ± 3.636 χ^2/NDF : 32.4/18

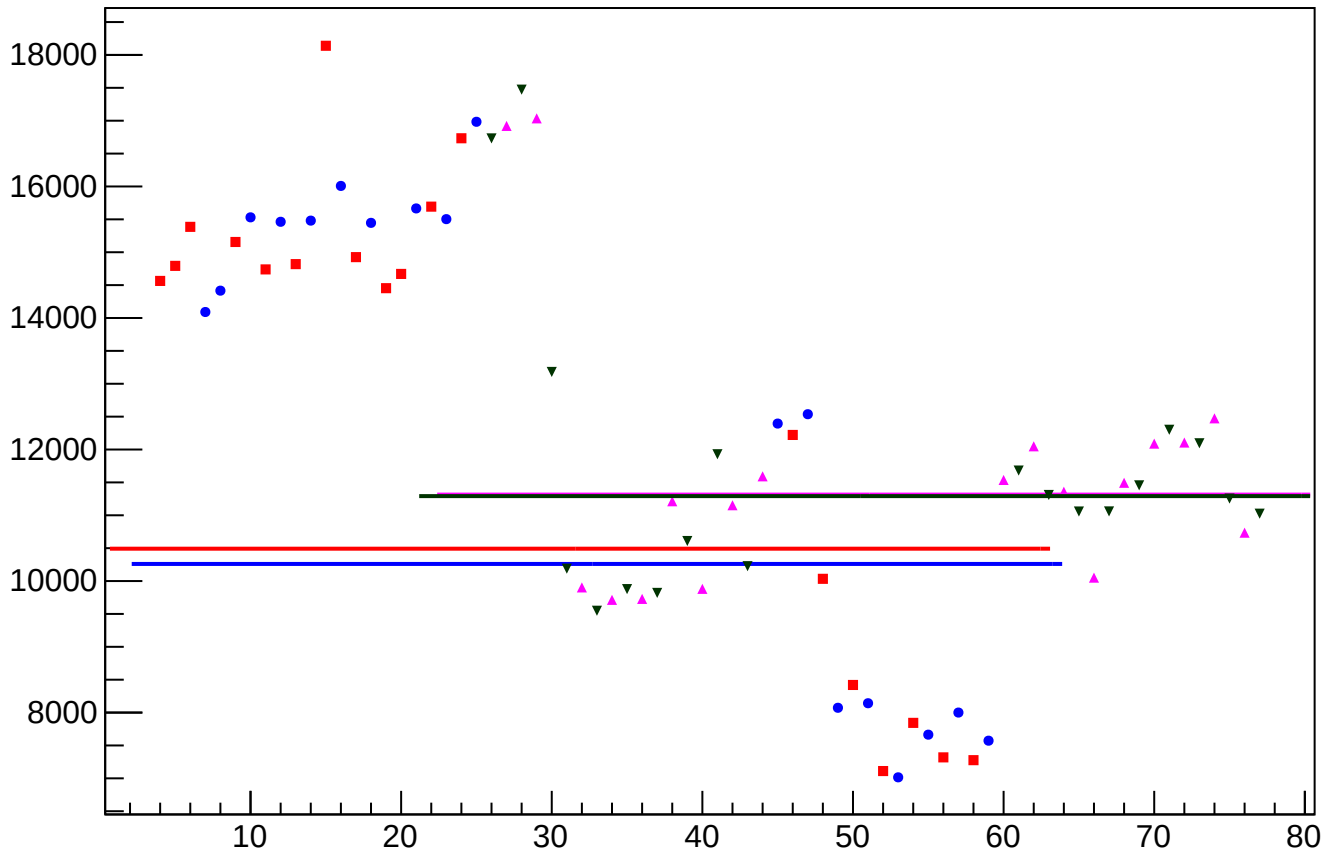
Right Out: -12.340 ± 3.516 χ^2/NDF : 28.3/18

Left In: 6.856 ± 3.579 χ^2/NDF : 37.7/17

1.791 ± 2.414 χ^2/NDF : 193.9/36

-2.912 ± 2.508 χ^2/NDF : 80.7/36

diff_bpm0l10X_rms vs slug



Right In: 10260.138 $\pm$ 2.282 χ^2 /NDF: 2319999.2/17

Left Out: 11291.536 $\pm$ 2.571 χ^2 /NDF: 432554.6/18

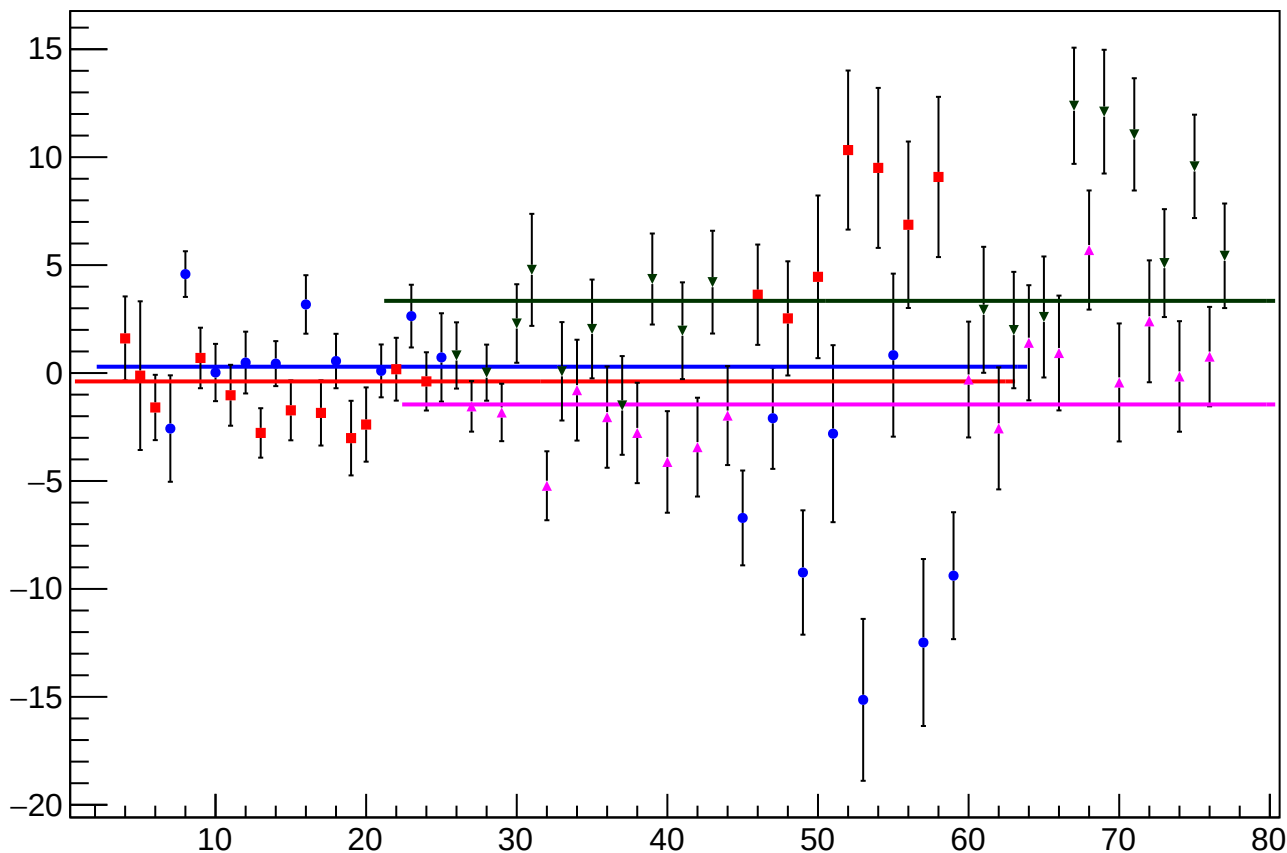
10714.758 $\pm$ 1.707 χ^2 /NDF: 2842557.5/36

Right Out: 10492.088 $\pm$ 2.487 χ^2 /NDF: 2138865.4/18

10896.013 $\pm$ 1.774 χ^2 /NDF: 2723520.7/36

Left In: 11314.512 $\pm$ 2.531 χ^2 /NDF: 530925.0/17

diff_bpm0l10Y_mean vs slug



Right In: 0.293 ± 0.393 χ^2/NDF : 86.6/17

Left Out: 3.344 ± 0.504 χ^2/NDF : 55.3/18

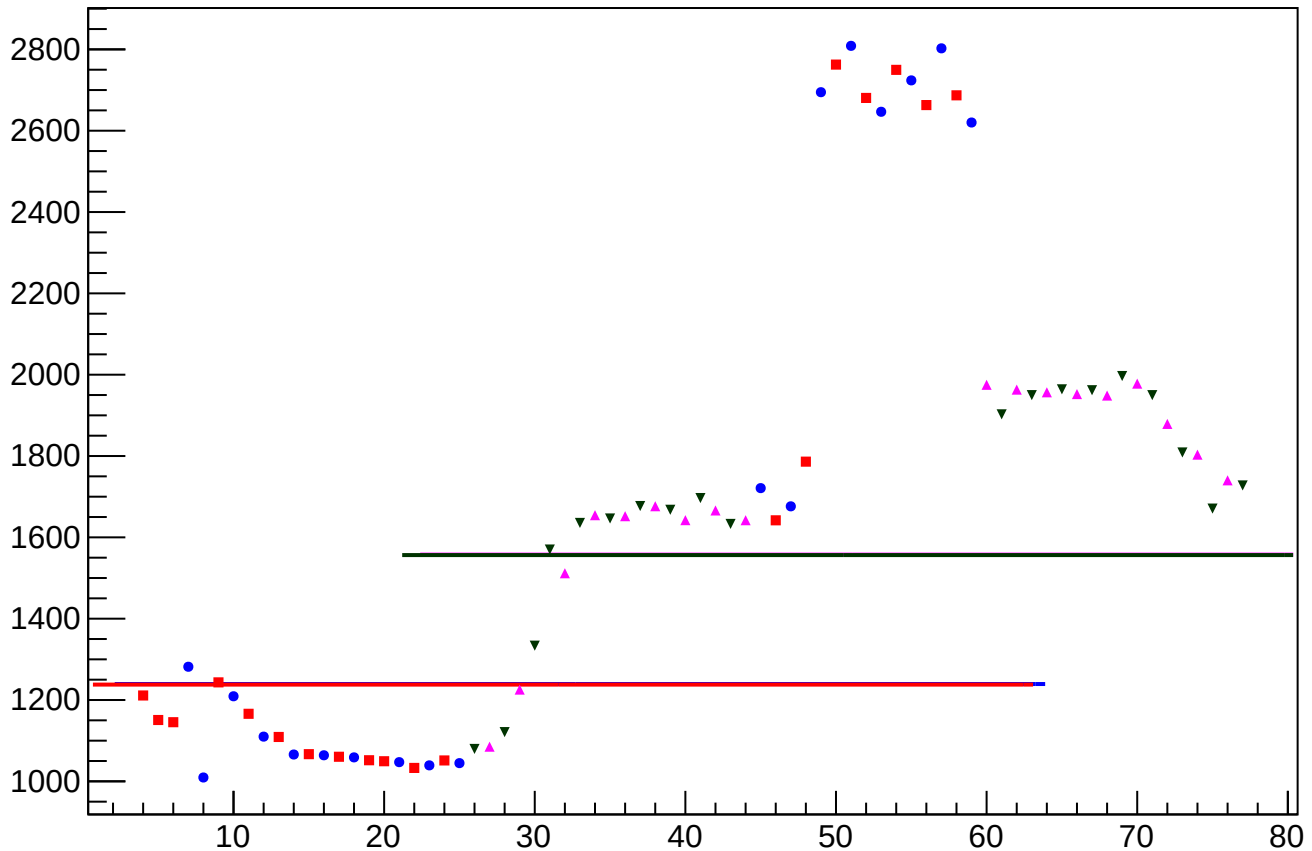
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

Left In: -1.455 ± 0.495 χ^2/NDF : 20.4/17

1.446 ± 0.310 χ^2/NDF : 164.6/36

-0.824 ± 0.317 χ^2/NDF : 67.1/36

diff_bpm0l10Y_rms vs slug



Right In: 1239.296+/-0.278 χ^2/NDF : 2675601.4/17

Left Out: 1556.411+/-0.356 χ^2/NDF : 760803.3/18

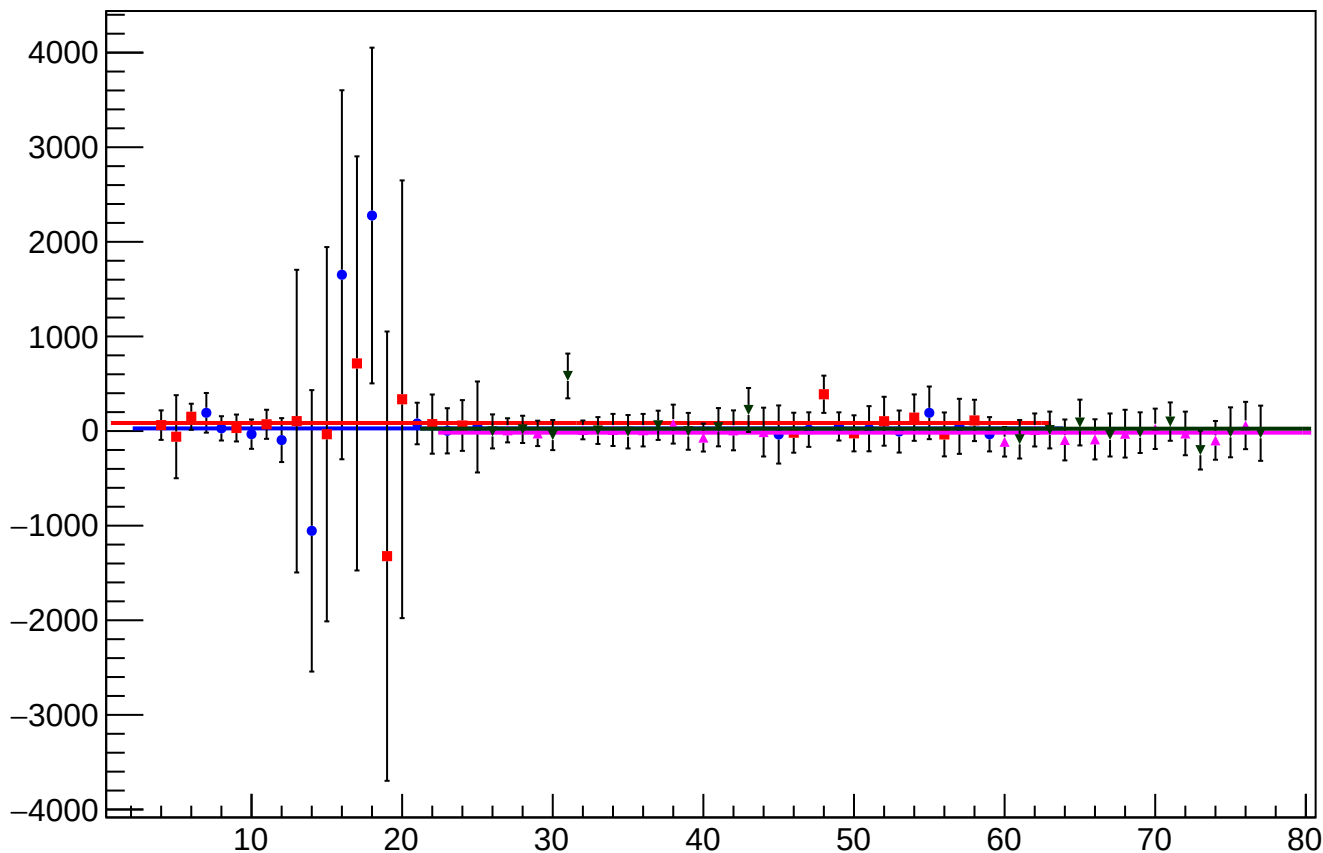
1359.166+/-0.219 χ^2/NDF : 3929165.1/36

Right Out: 1237.907+/-0.291 χ^2/NDF : 1914347.8/18

1368.567+/-0.224 χ^2/NDF : 3202980.2/36

Left In: 1557.588+/-0.350 χ^2/NDF : 796098.0/17

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 27.874+/-52.297 χ^2/NDF : 4.5/17

Left Out: 25.099+/-44.184 χ^2/NDF : 8.5/18

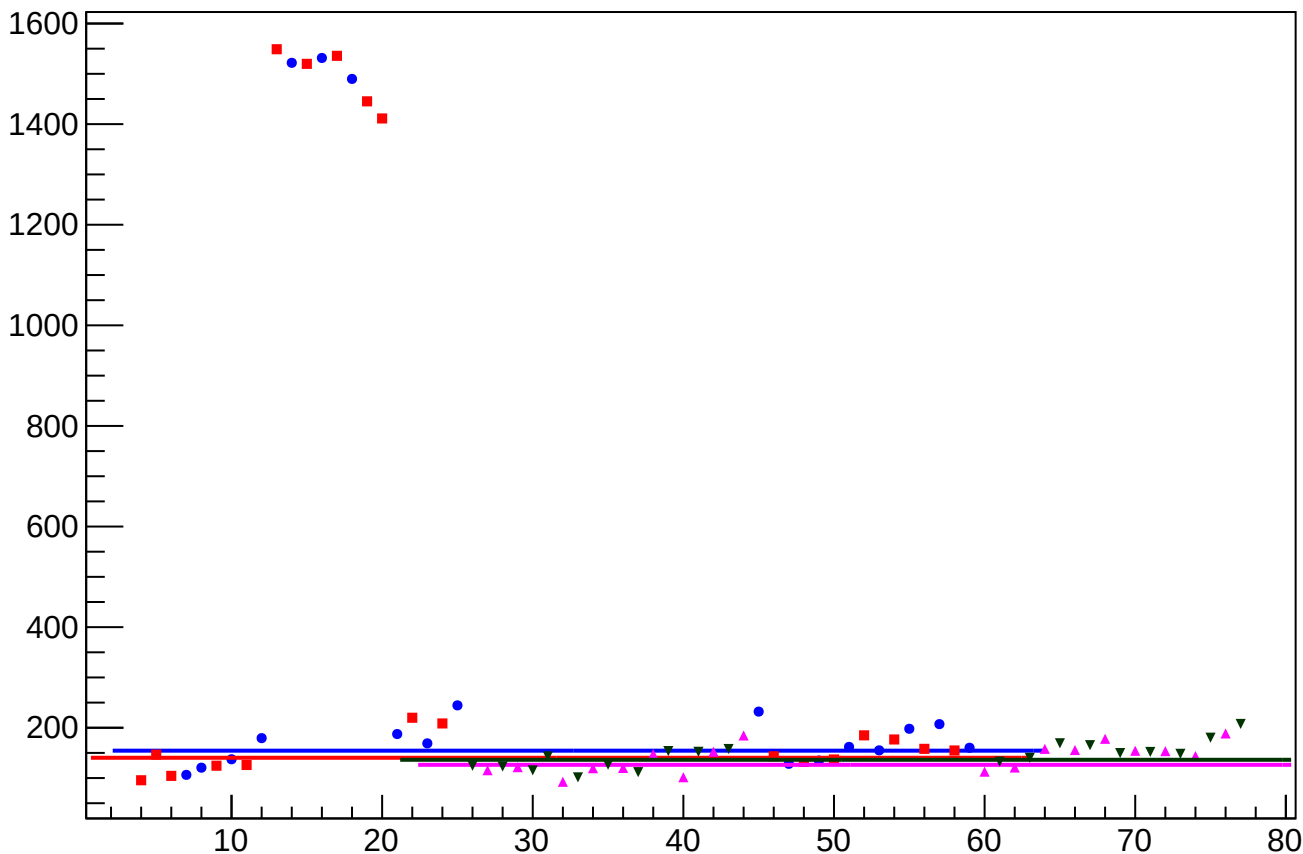
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

Left In: -17.138+/-40.560 χ^2/NDF : 1.4/17

26.255+/-33.751 χ^2/NDF : 13.0/36

21.155+/-32.098 χ^2/NDF : 8.1/36

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 154.452 $\pm$ 0.037 χ^2 /NDF: 4556738.2/17

Left Out: 136.322 $\pm$ 0.031 χ^2 /NDF: 557533.8/18

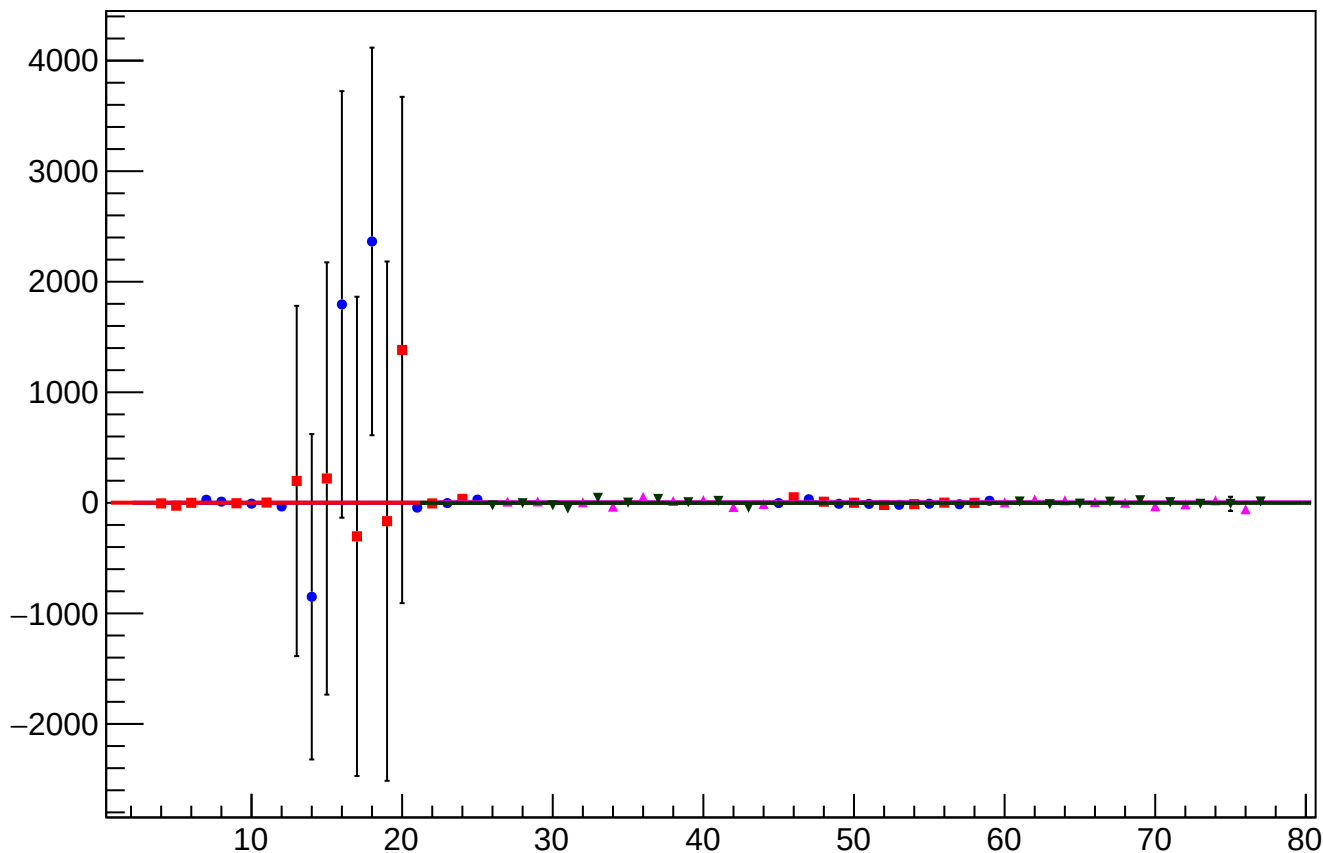
143.873 $\pm$ 0.024 χ^2 /NDF: 5254518.7/36

Right Out: 140.345 $\pm$ 0.037 χ^2 /NDF: 5274055.6/18

131.566 $\pm$ 0.023 χ^2 /NDF: 6209929.7/36

Left In: 126.326 $\pm$ 0.029 χ^2 /NDF: 846579.7/17

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 0.581+/-4.614 χ^2/NDF : 16.6/17

Left Out: -0.380+/-5.555 χ^2/NDF :16.6/18

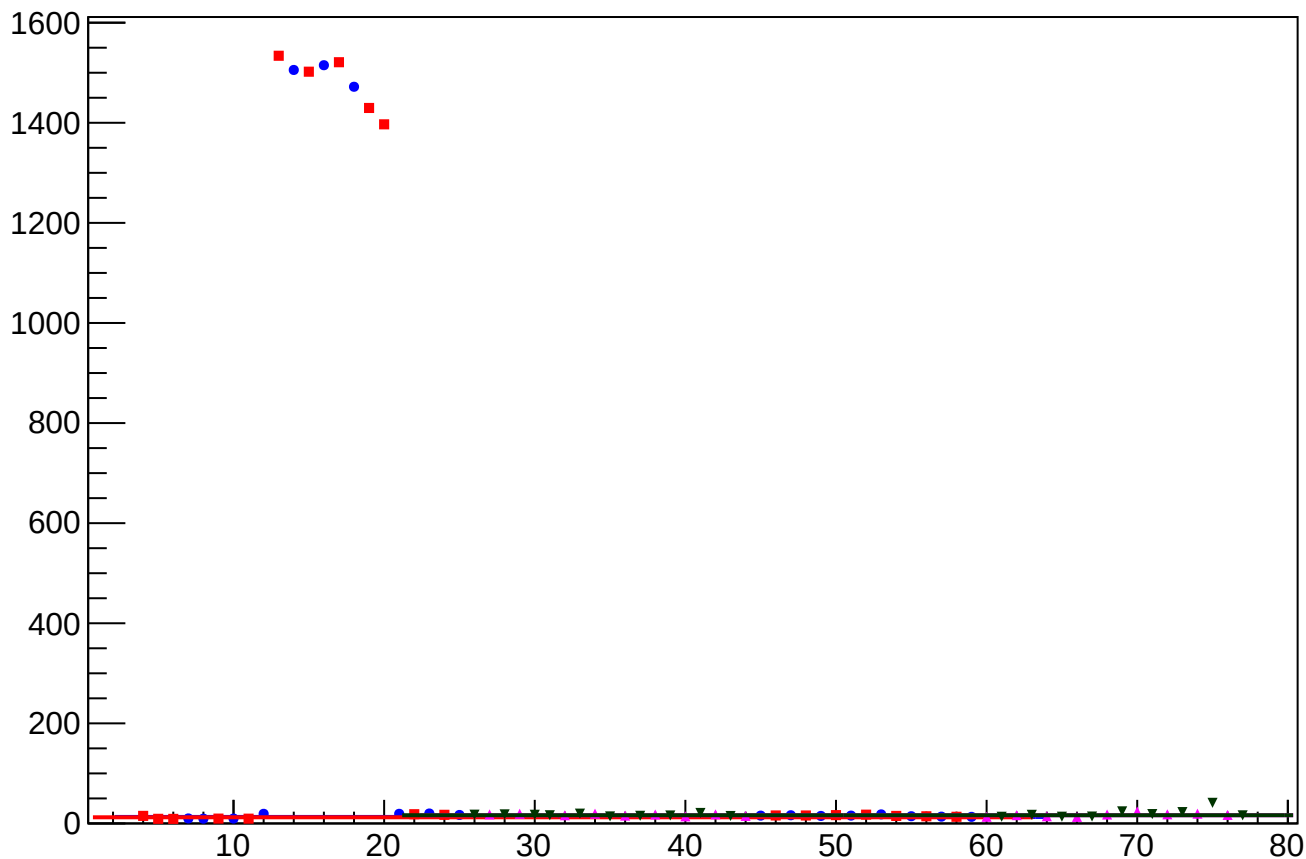
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

Left In: 5.045+/-5.385 χ^2/NDF :20.9/17

0.189+/-3.549 χ^2/NDF : 33.2/36

2.999+/-3.578 χ^2/NDF : 30.6/36

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 13.014 $\pm$ 0.003 χ^2 /NDF: 5695749.7/17

Left Out: 16.455 $\pm$ 0.004 χ^2 /NDF: 724919.6/18

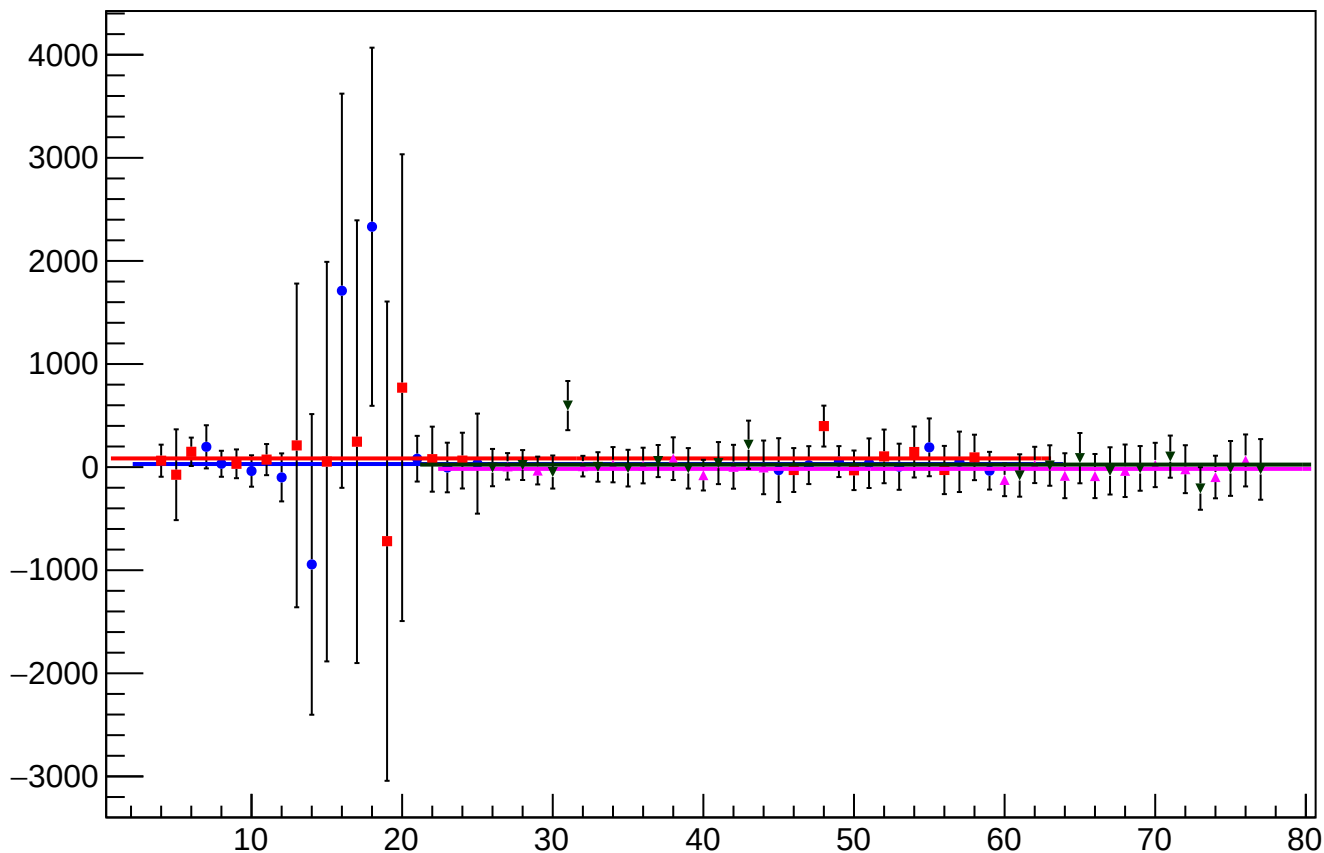
Right Out: 12.312 $\pm$ 0.003 χ^2 /NDF: 6373010.7/18

Left In: 16.435 $\pm$ 0.004 χ^2 /NDF: 381141.4/17

14.418 $\pm$ 0.003 χ^2 /NDF: 6874756.2/36

14.133 $\pm$ 0.003 χ^2 /NDF: 7408741.7/36

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 30.011+/-52.267 χ^2/NDF : 4.7/17

Left Out: 24.575+/-44.535 χ^2/NDF : 8.7/18

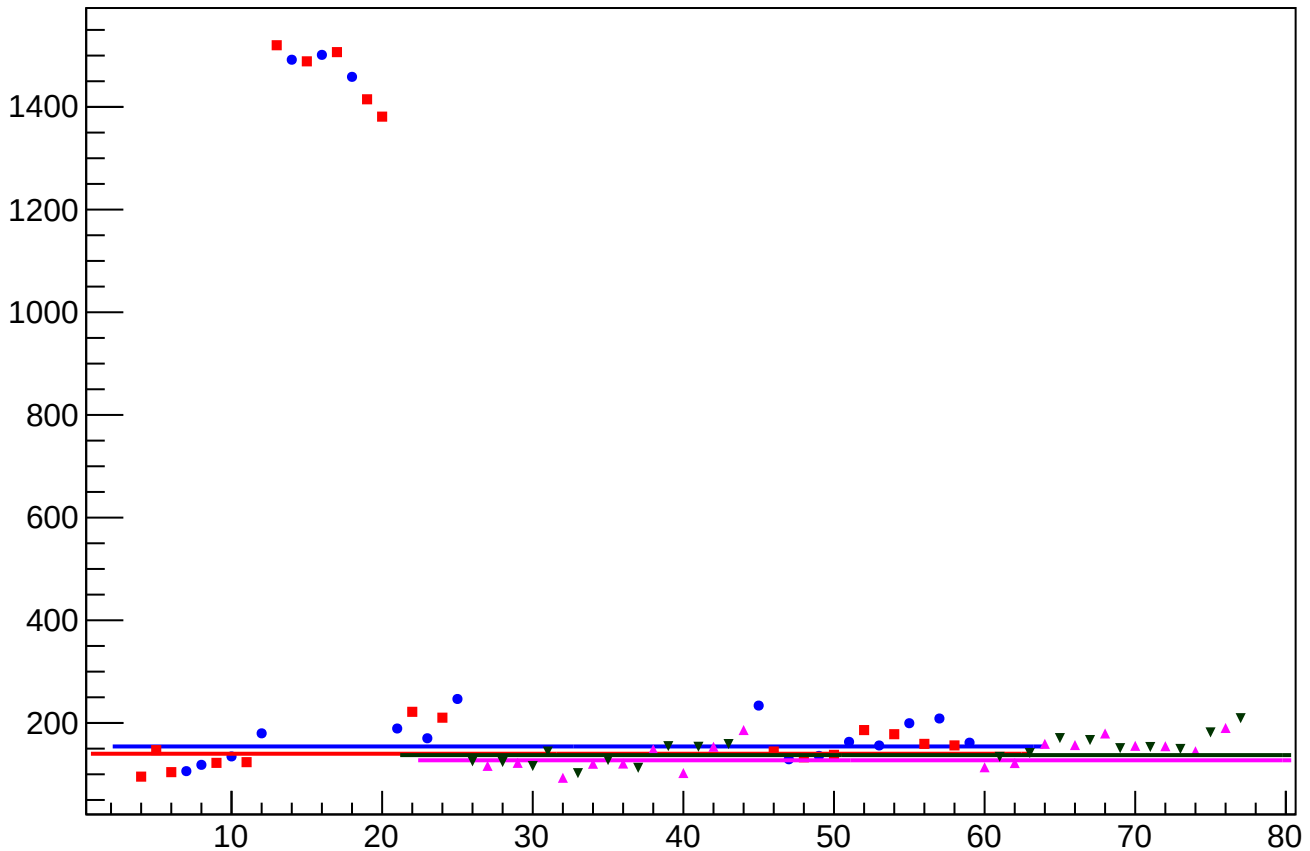
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

Left In: -17.229+/-40.869 χ^2/NDF : 1.6/17

26.861+/-33.898 χ^2/NDF : 13.4/36

21.157+/-32.232 χ^2/NDF : 8.1/36

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 154.234+/-0.037 χ^2/NDF : 4584859.8/17

Left Out: 137.401+/-0.031 χ^2/NDF : 558400.4/18

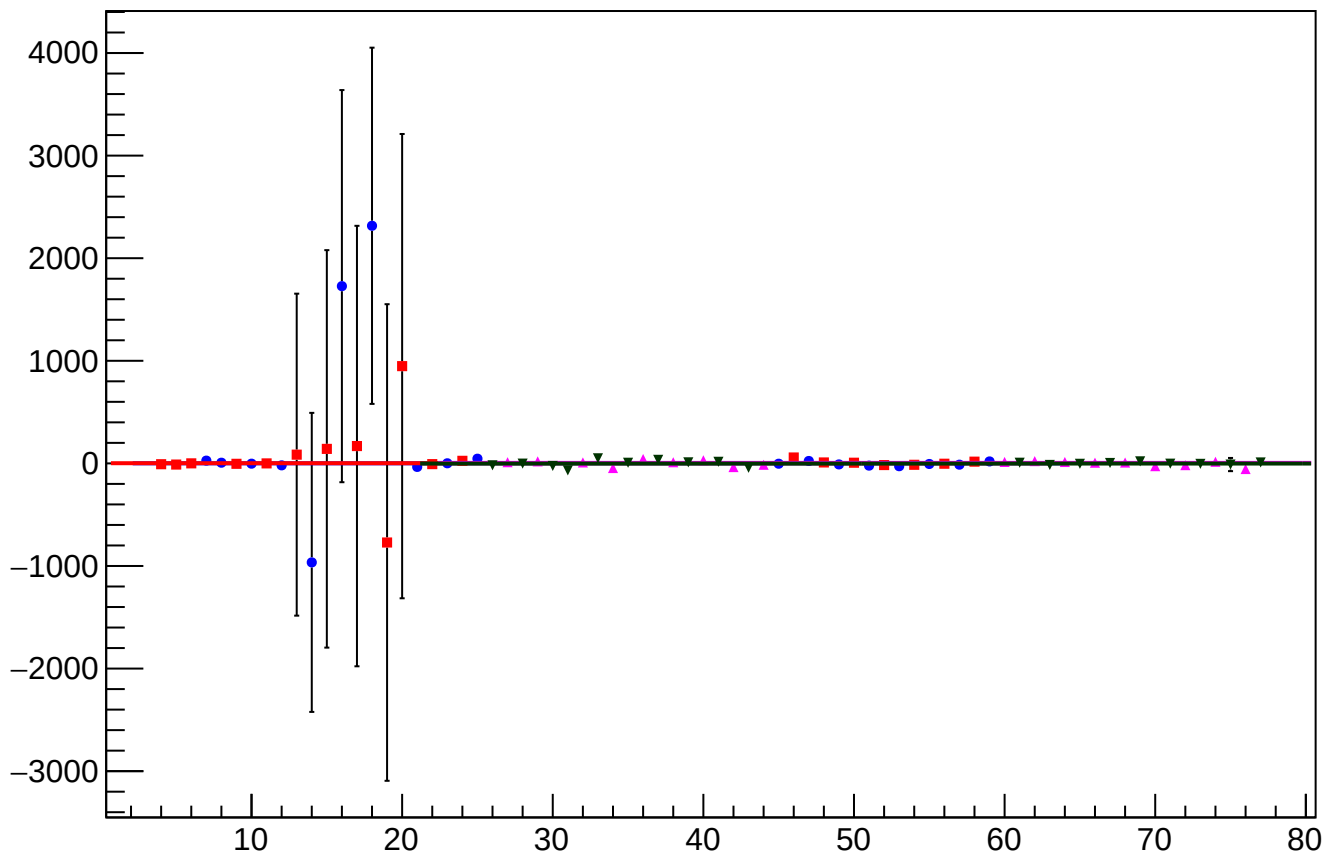
144.482+/-0.024 χ^2/NDF : 5263456.0/36

Right Out: 140.050+/-0.037 χ^2/NDF : 5289912.8/18

132.105+/-0.023 χ^2/NDF : 6212931.8/36

Left In: 127.276+/-0.029 χ^2/NDF : 849161.4/17

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: 0.652 $\pm$ 4.315 χ^2 /NDF: 16.0/17

Left Out: -1.517 $\pm$ 5.431 χ^2 /NDF:19.4/18

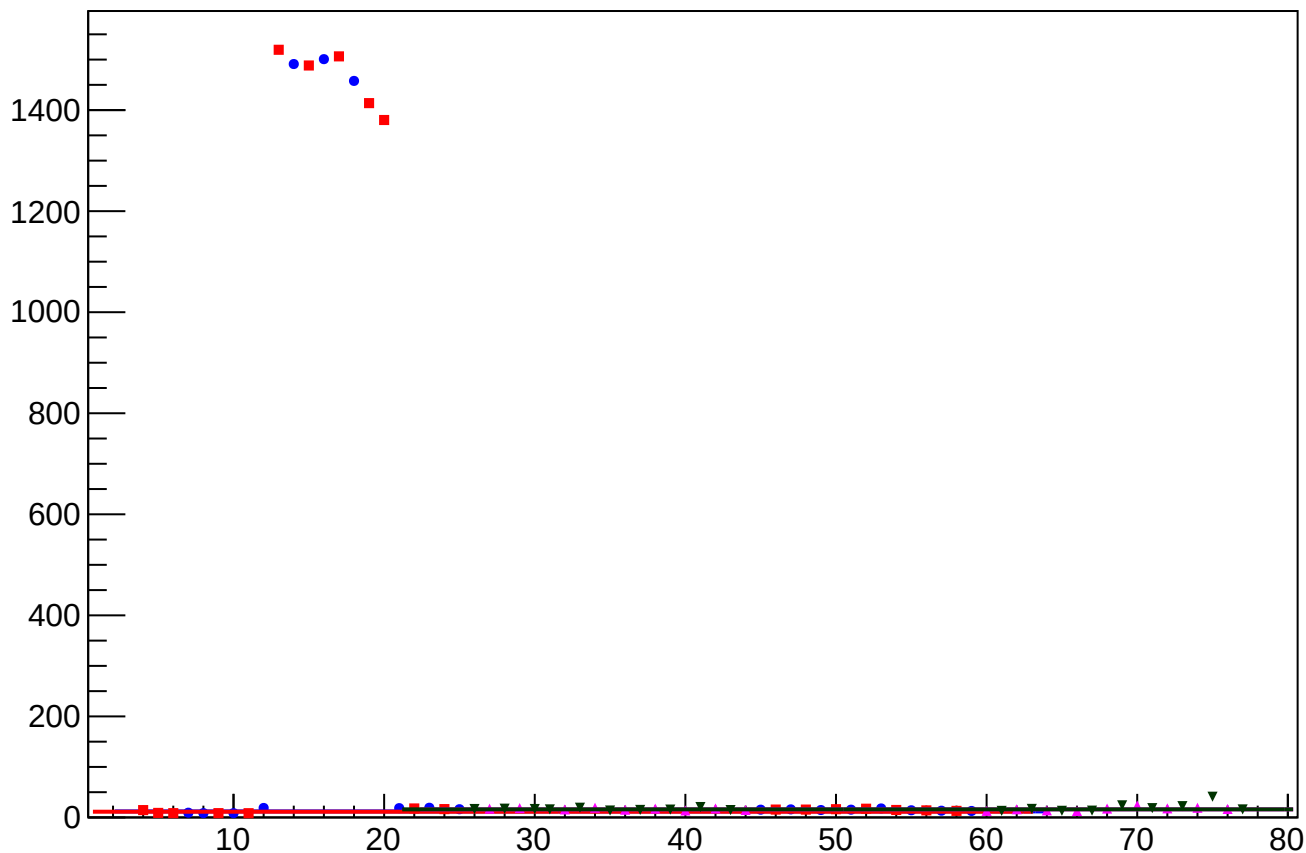
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

Left In: 4.940 $\pm$ 5.266 χ^2 /NDF:20.1/17

-0.188 $\pm$ 3.379 χ^2 /NDF: 35.5/36

3.104 $\pm$ 3.408 χ^2 /NDF: 30.4/36

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 12.013 $\pm$ 0.003 χ^2 /NDF: 6061463.6/17

Left Out: 16.054 $\pm$ 0.004 χ^2 /NDF: 735765.0/18

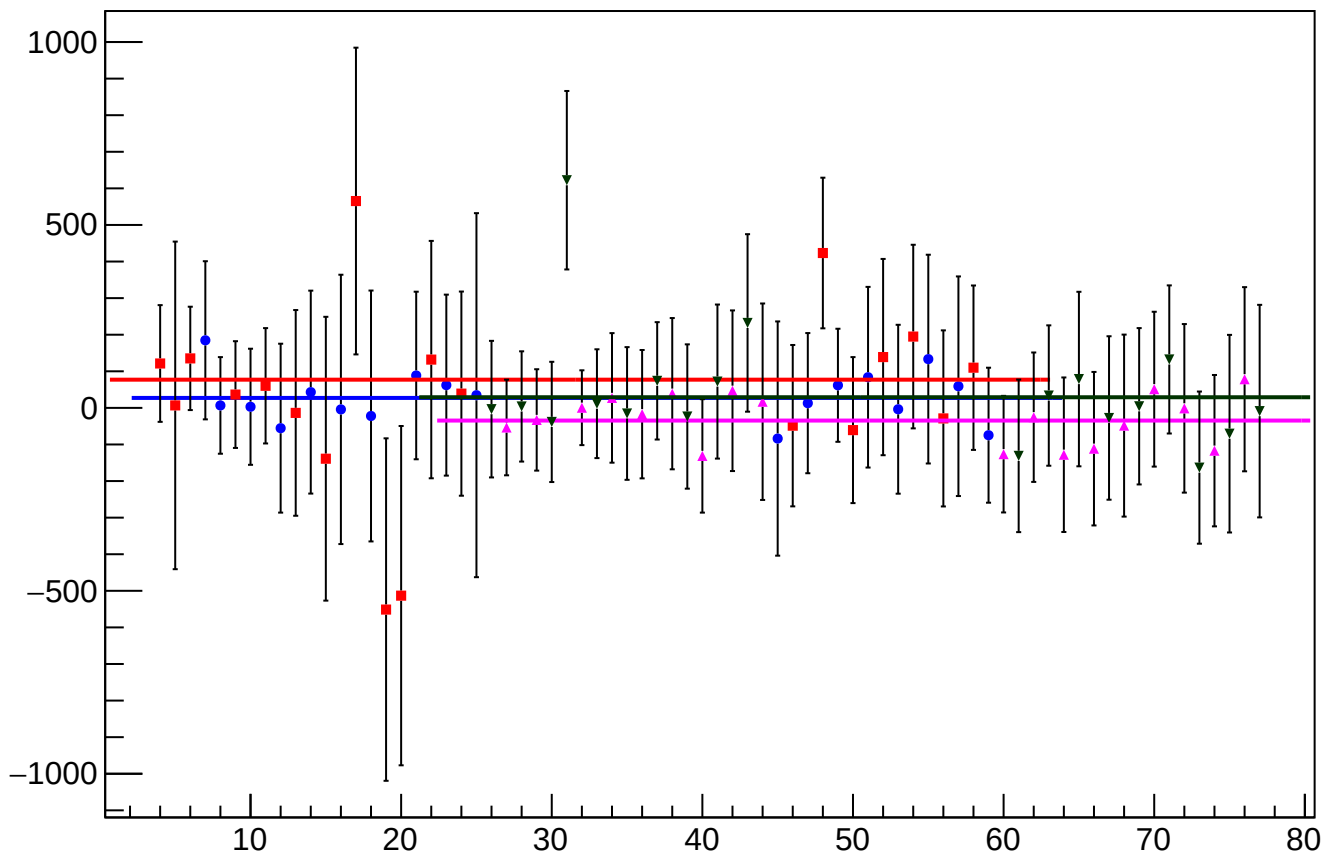
Right Out: 11.361 $\pm$ 0.003 χ^2 /NDF: 6645877.2/18

Left In: 16.041 $\pm$ 0.004 χ^2 /NDF: 381330.9/17

13.577 $\pm$ 0.002 χ^2 /NDF: 7475983.8/36

13.321 $\pm$ 0.002 χ^2 /NDF: 7945473.2/36

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 27.225+/-51.816 χ^2/NDF : 1.5/17

Left Out: 29.066+/-45.215 χ^2/NDF : 9.1/18

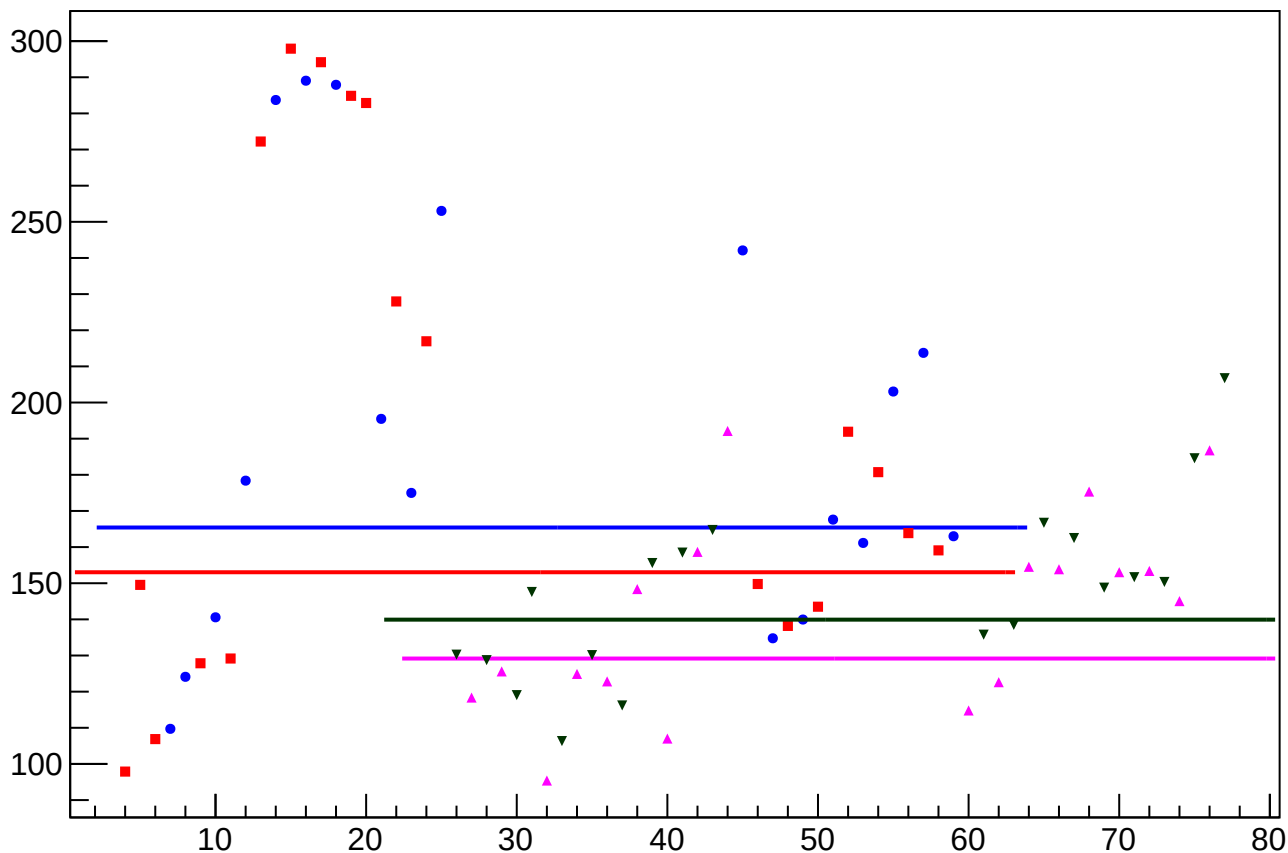
Right Out: 77.113+/-51.687 χ^2/NDF : 9.7/18

Left In: -34.630+/-41.405 χ^2/NDF : 2.2/17

28.270+/-34.068 χ^2/NDF : 10.6/36

9.048+/-32.315 χ^2/NDF : 14.7/36

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 165.419+/-0.037 χ^2/NDF : 1636400.3/17

Left Out: 139.925+/-0.032 χ^2/NDF : 473852.1/18

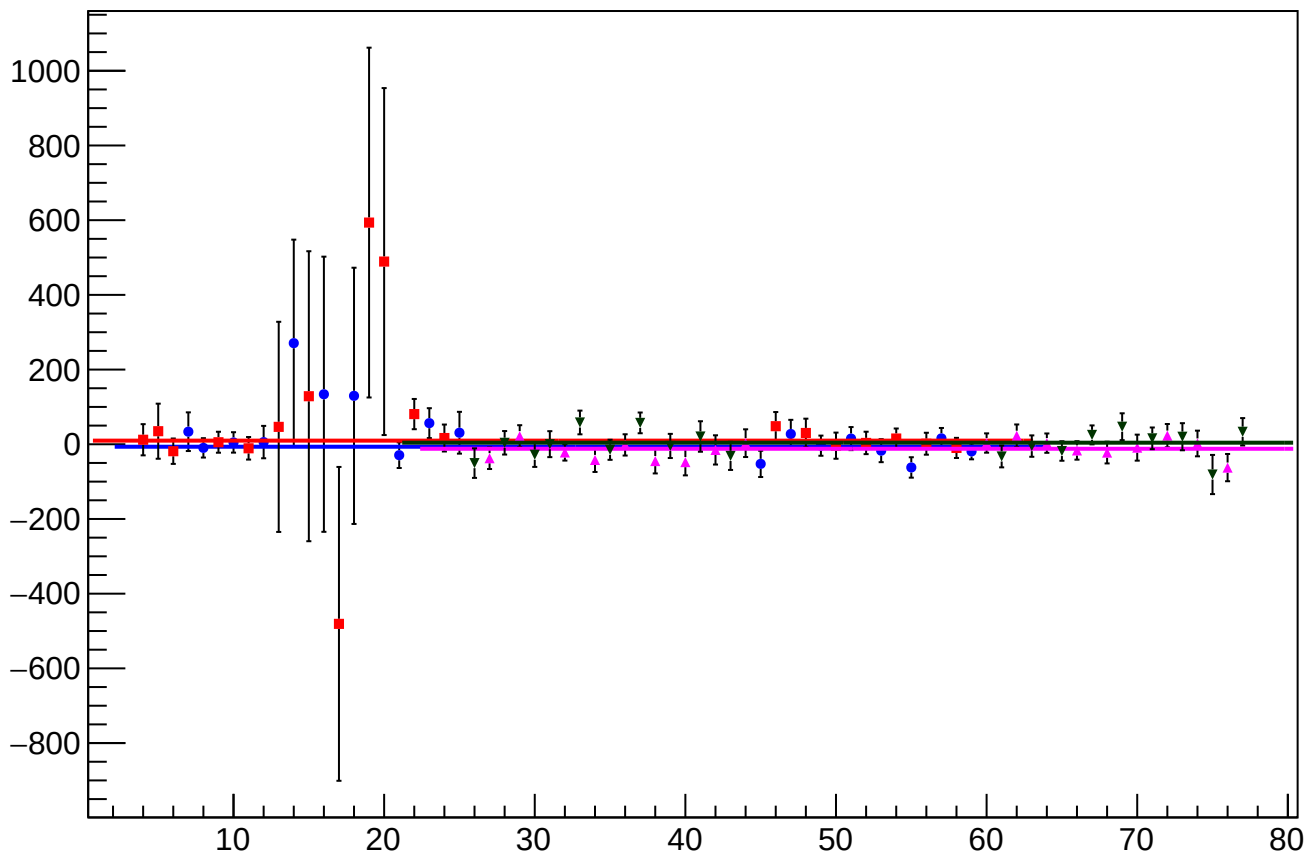
150.946+/-0.024 χ^2/NDF : 2385122.8/36

Right Out: 153.039+/-0.037 χ^2/NDF : 2037868.3/18

138.495+/-0.023 χ^2/NDF : 3047742.5/36

Left In: 129.162+/-0.029 χ^2/NDF : 749901.1/17

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: -6.569+/-8.065 χ^2/NDF : 13.8/17

Left Out: 4.237+/-7.334 χ^2/NDF : 19.2/18

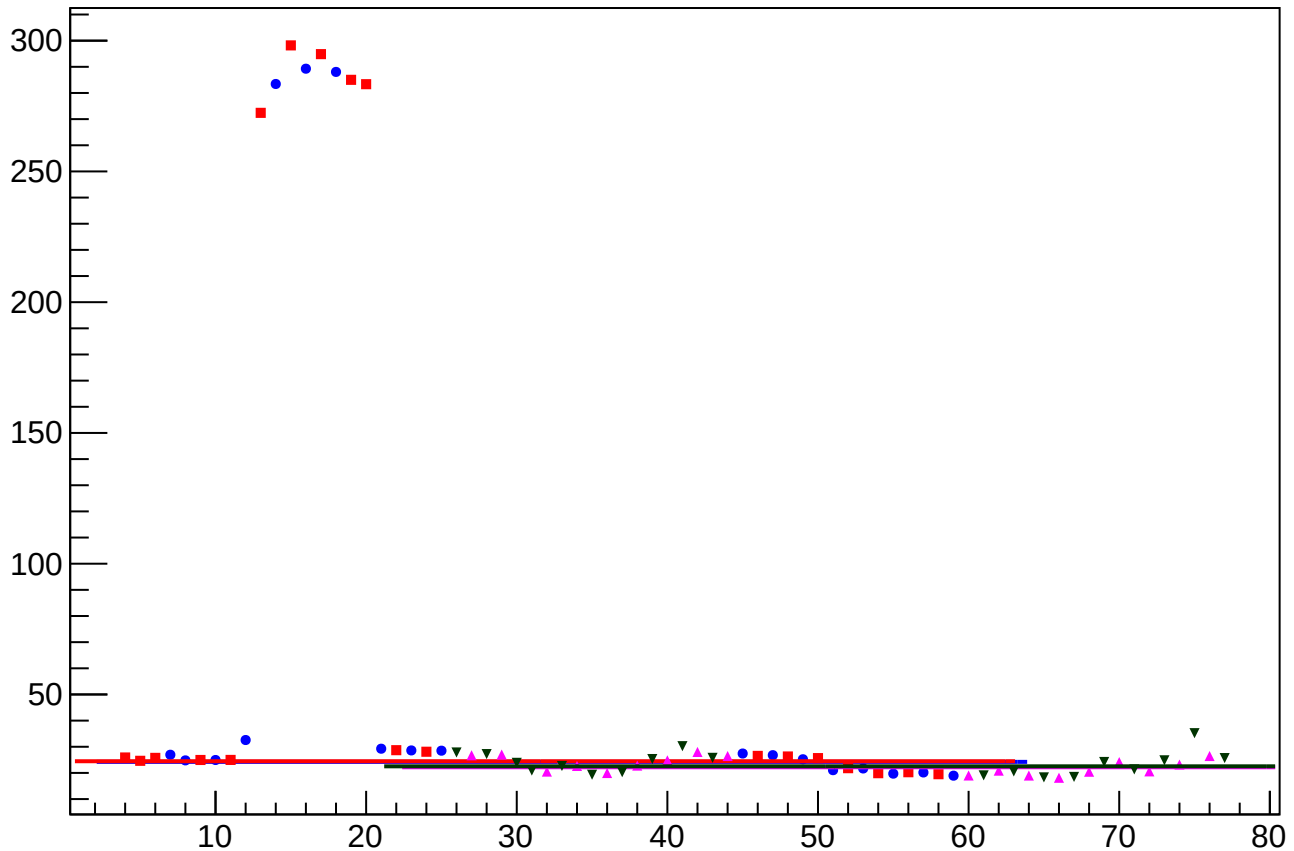
Right Out: 9.755+/-8.898 χ^2/NDF : 10.7/18

Left In: -12.054+/-7.059 χ^2/NDF : 11.0/17

-0.654+/-5.426 χ^2/NDF : 34.0/36

-3.630+/-5.530 χ^2/NDF : 25.3/36

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 24.225+/-0.006 χ^2/NDF : 4413051.2/17

23.292+/-0.004 χ^2/NDF : 4980136.6/36

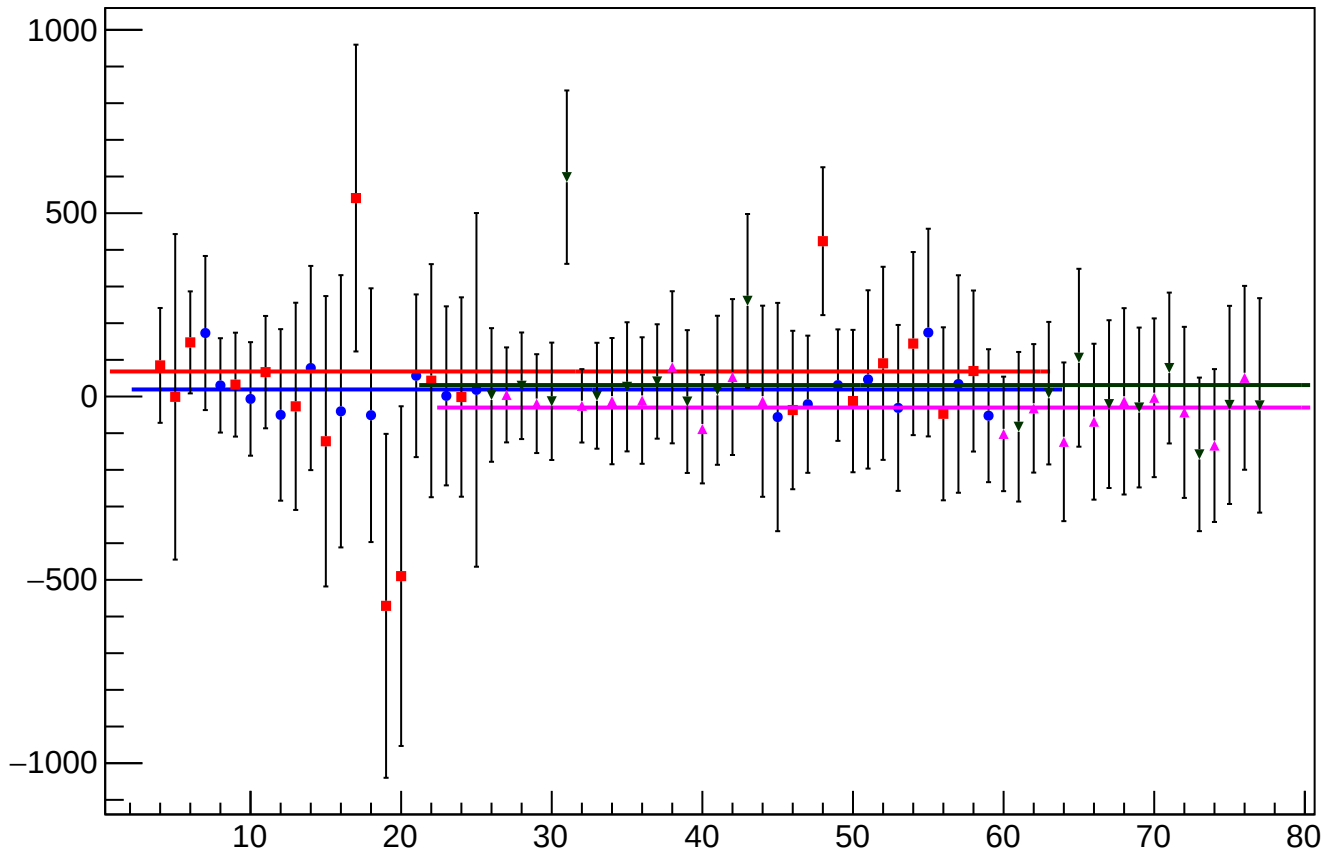
Left Out: 22.521+/-0.005 χ^2/NDF : 518194.1/18

Right Out: 24.466+/-0.006 χ^2/NDF : 4859985.2/18

23.045+/-0.004 χ^2/NDF : 5319131.1/36

Left In: 22.151+/-0.005 χ^2/NDF : 376055.1/17

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 19.264+/-50.913 χ^2/NDF : 1.4/17

Left Out: 31.242+/-44.565 χ^2/NDF : 8.4/18

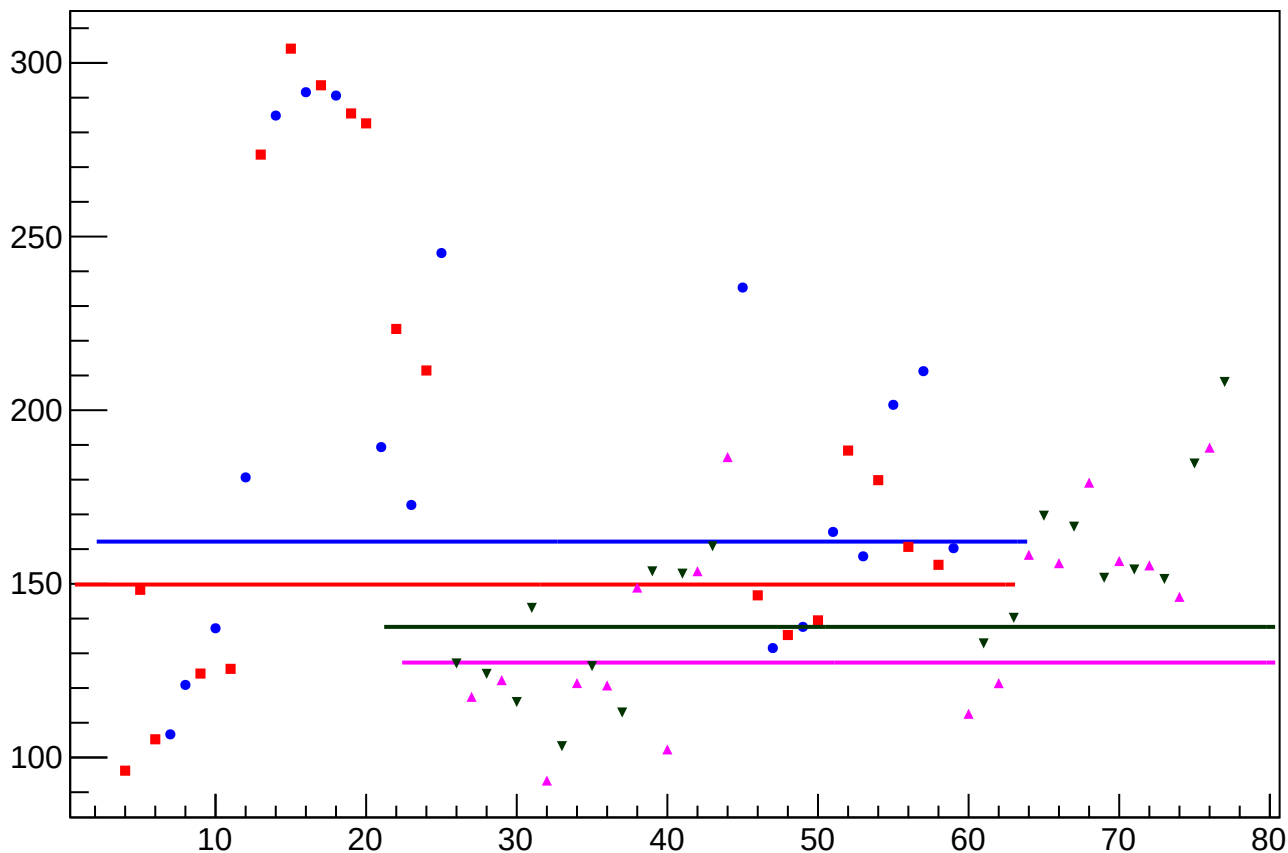
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -30.136+/-40.874 χ^2/NDF : 1.5/17

26.046+/-33.533 χ^2/NDF : 9.9/36

8.634+/-31.824 χ^2/NDF : 13.1/36

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.166 $\pm$ 0.036 χ^2 /NDF: 1720612.8/17

Left Out: 137.607 $\pm$ 0.032 χ^2 /NDF:552018.9/18

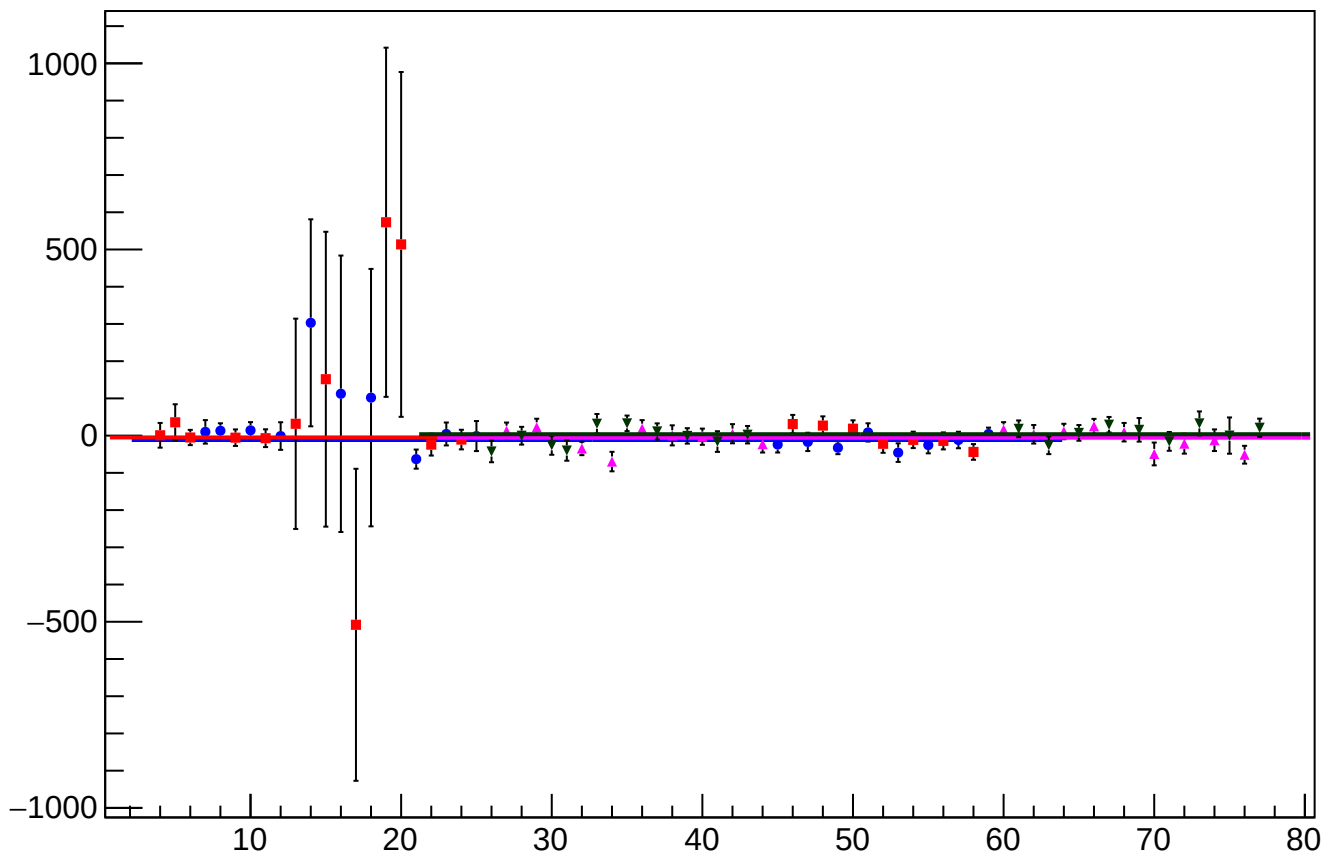
148.261 $\pm$ 0.024 χ^2 /NDF: 2536127.6/36

Right Out: 149.803 $\pm$ 0.036 χ^2 /NDF: 2114602.4/18

136.183 $\pm$ 0.023 χ^2 /NDF: 3199388.7/36

Left In: 127.334 $\pm$ 0.029 χ^2 /NDF:846770.4/17

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -11.713 $\pm$ 6.036 χ^2 /NDF: 15.0/17

Left Out: 3.803 $\pm$ 5.673 χ^2 /NDF:15.8/18

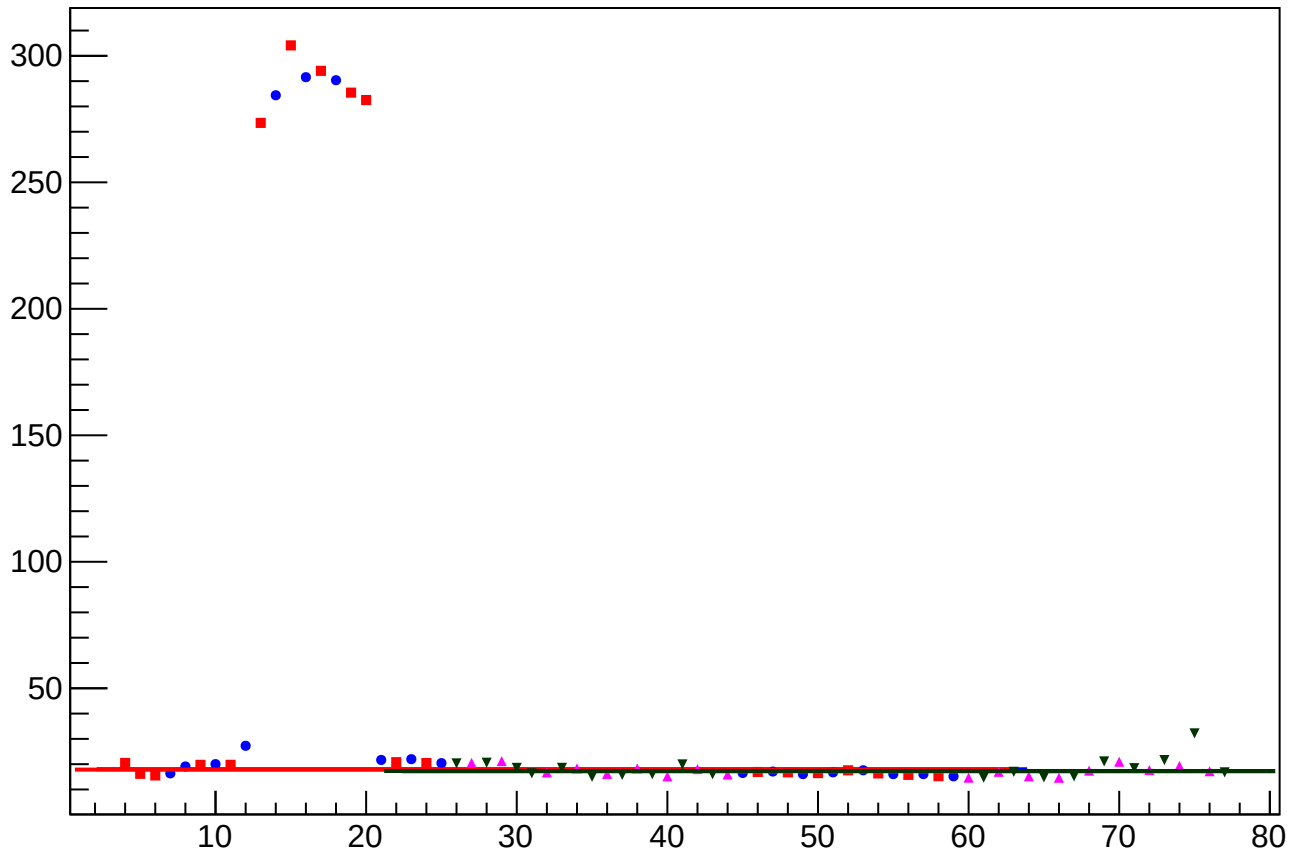
Right Out: -4.846 $\pm$ 6.550 χ^2 /NDF: 14.7/18

Left In: -5.570 $\pm$ 5.482 χ^2 /NDF:23.5/17

-3.475 $\pm$ 4.134 χ^2 /NDF: 34.3/36

-5.272 $\pm$ 4.204 χ^2 /NDF: 38.1/36

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 17.988 $\pm$ 0.004 χ^2 /NDF: 4525208.5/17

Left Out: 17.304 $\pm$ 0.004 χ^2 /NDF: 470538.0/18

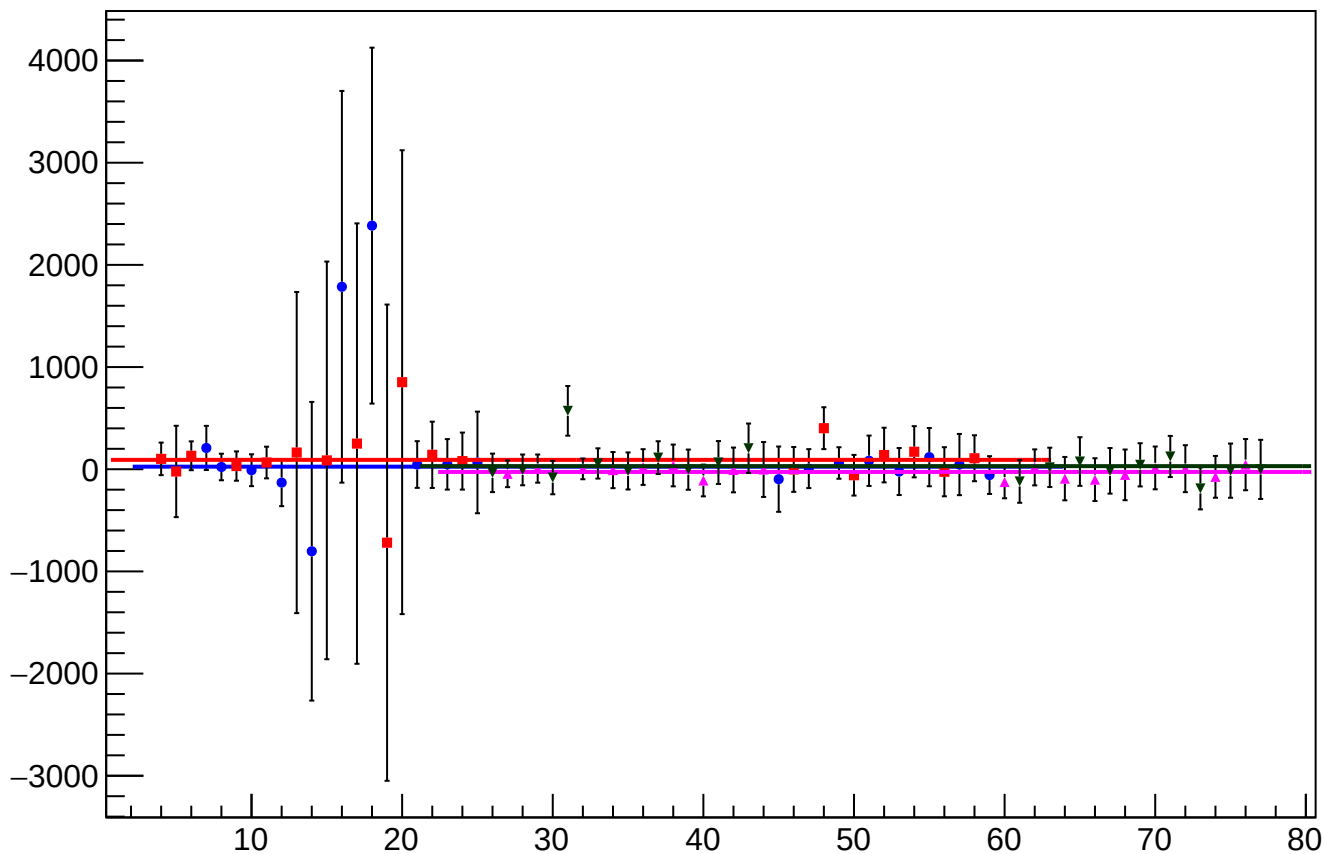
Right Out: 17.855 $\pm$ 0.005 χ^2 /NDF: 5034119.1/18

Left In: 17.152 $\pm$ 0.004 χ^2 /NDF: 267518.8/17

17.625 $\pm$ 0.003 χ^2 /NDF: 5009365.1/36

17.441 $\pm$ 0.003 χ^2 /NDF: 5315184.2/36

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 25.115+/-53.539 χ^2/NDF : 4.9/17

Left Out: 30.214+/-45.099 χ^2/NDF : 8.5/18

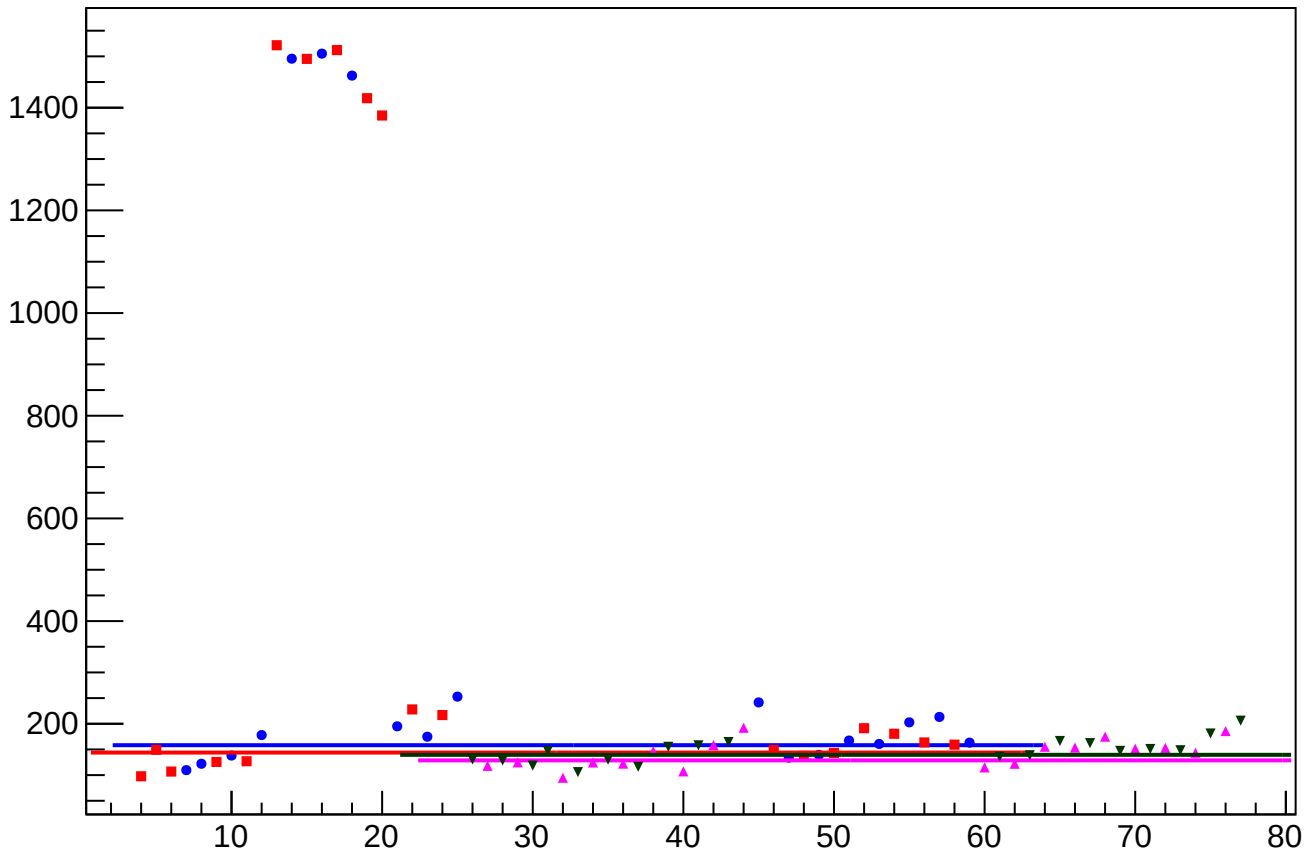
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

Left In: -26.584+/-41.262 χ^2/NDF : 1.5/17

28.098+/-34.493 χ^2/NDF : 13.4/36

17.227+/-32.747 χ^2/NDF : 8.6/36

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 158.277 $\pm$ 0.038 χ^2/NDF : 4538983.8/17

Left Out: 139.519 $\pm$ 0.032 χ^2/NDF : 465741.2/18

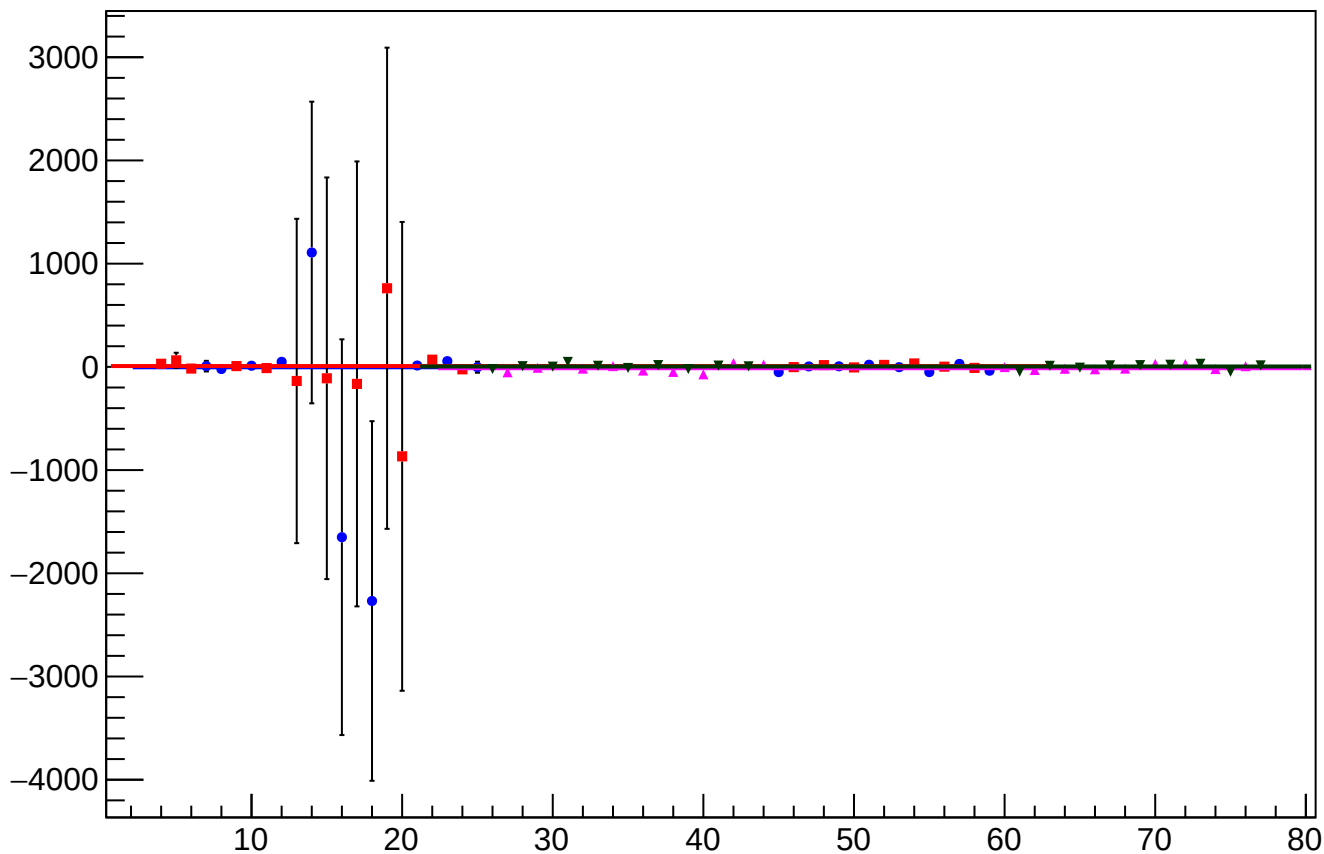
147.305 $\pm$ 0.024 χ^2/NDF : 5148322.8/36

Right Out: 143.939 $\pm$ 0.038 χ^2/NDF : 5267987.5/18

134.344 $\pm$ 0.023 χ^2/NDF : 6118569.8/36

Left In: 128.705 $\pm$ 0.029 χ^2/NDF : 749662.3/17

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



Right In: -4.070+/-7.876 χ^2/NDF : 17.6/17

Left Out: 3.849+/-6.828 χ^2/NDF :10.6/18

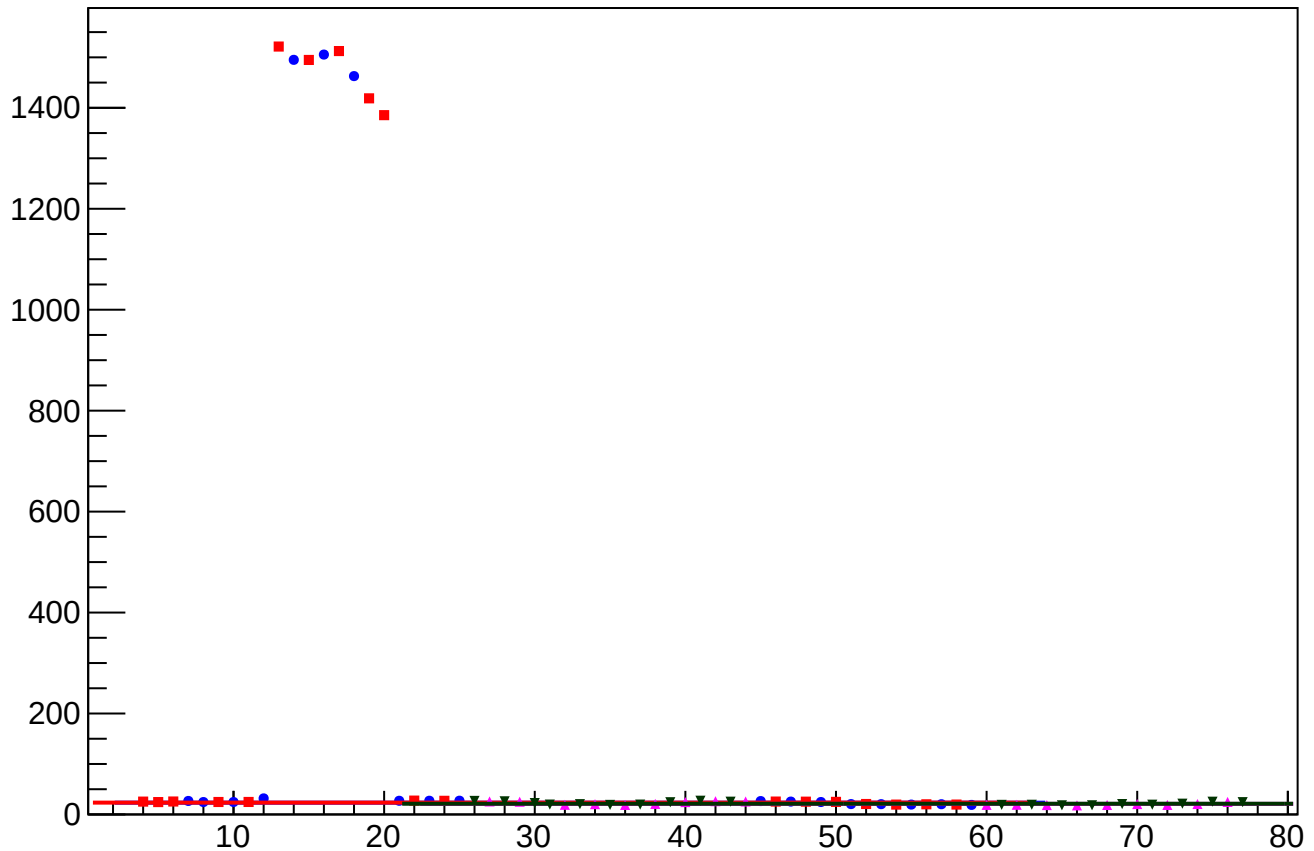
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

Left In: -13.331+/-6.598 χ^2/NDF :15.8/17

0.450+/-5.159 χ^2/NDF : 28.8/36

-5.573+/-5.261 χ^2/NDF : 27.0/36

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 23.336 $\pm$ 0.006 χ^2/NDF : 4965228.2/17

Left Out: 21.232 $\pm$ 0.005 χ^2/NDF : 360169.9/18

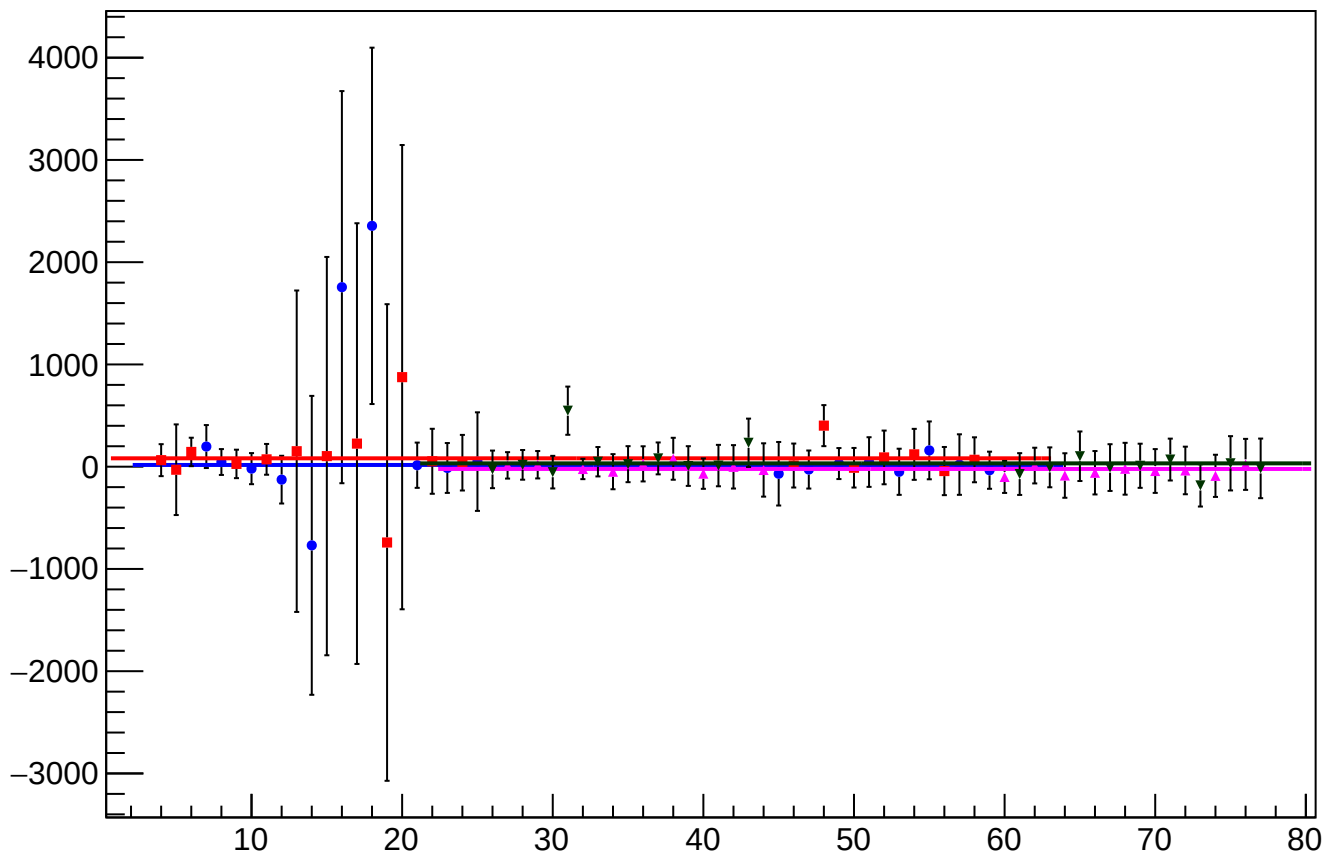
22.135 $\pm$ 0.004 χ^2/NDF : 5406918.0/36

Right Out: 23.445 $\pm$ 0.006 χ^2/NDF : 5561556.7/18

21.817 $\pm$ 0.004 χ^2/NDF : 6019739.6/36

Left In: 20.885 $\pm$ 0.005 χ^2/NDF : 348548.0/17

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 16.936+/-52.488 χ^2/NDF : 4.7/17

Left Out: 32.566+/-44.450 χ^2/NDF : 7.6/18

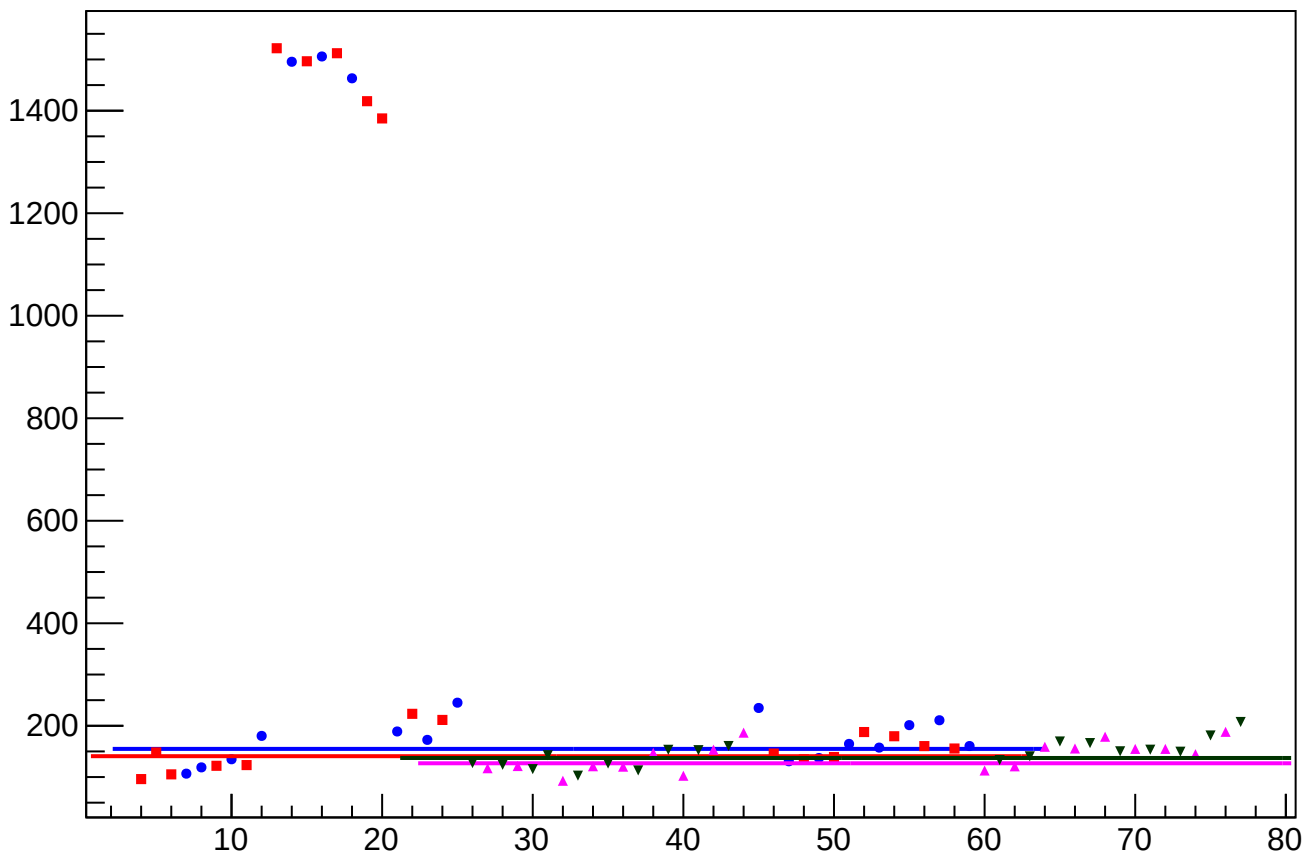
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -22.217+/-40.732 χ^2/NDF : 1.2/17

26.038+/-33.921 χ^2/NDF : 12.4/36

16.754+/-32.220 χ^2/NDF : 7.5/36

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 154.947 $\pm$ 0.037 χ^2 /NDF: 4580594.9/17

Left Out: 137.209 $\pm$ 0.031 χ^2 /NDF: 543342.7/18

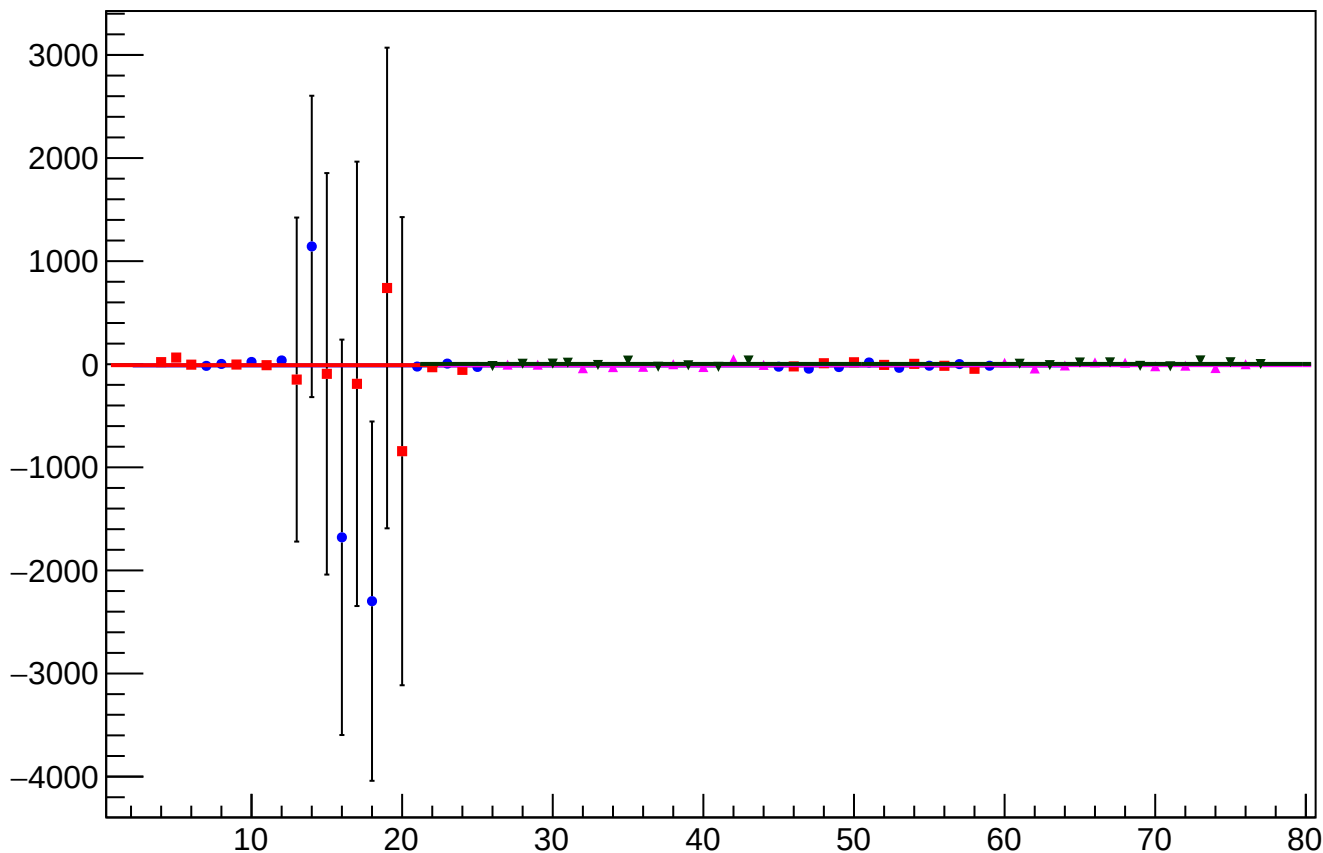
144.617 $\pm$ 0.024 χ^2 /NDF: 5256963.7/36

Right Out: 140.710 $\pm$ 0.037 χ^2 /NDF: 5291988.7/18

132.054 $\pm$ 0.023 χ^2 /NDF: 6224880.6/36

Left In: 126.877 $\pm$ 0.029 χ^2 /NDF: 846563.3/17

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -11.332 $\pm$ 5.773 χ^2 /NDF: 15.0/17

Left Out: 2.998 $\pm$ 5.199 χ^2 /NDF: 14.5/18

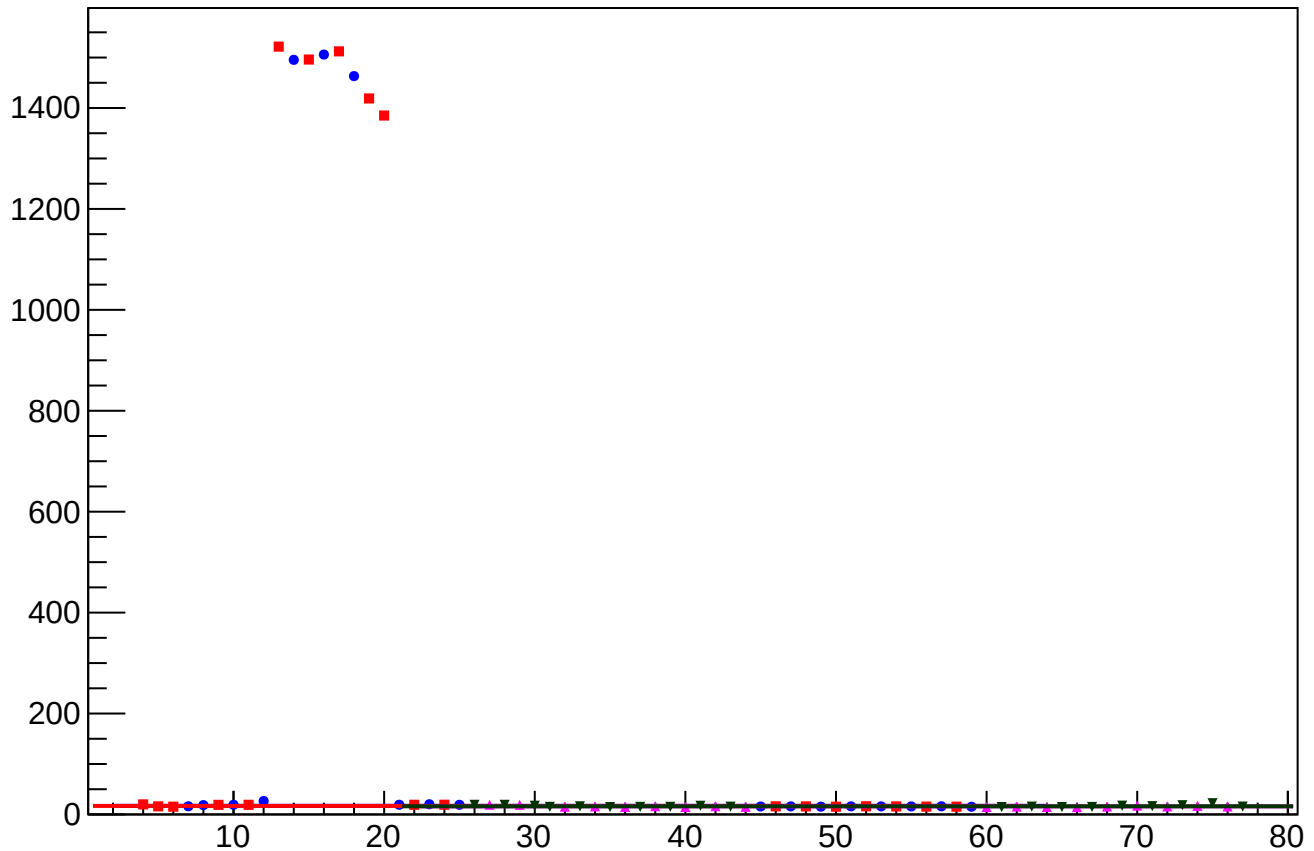
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

Left In: -9.133 $\pm$ 5.036 χ^2 /NDF: 19.7/17

-3.418 $\pm$ 3.863 χ^2 /NDF: 32.8/36

-9.028 $\pm$ 3.932 χ^2 /NDF: 33.0/36

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 17.094 $\pm$ 0.004 χ^2/NDF : 4922010.4/17

Left Out: 16.176 $\pm$ 0.004 χ^2/NDF : 217622.8/18

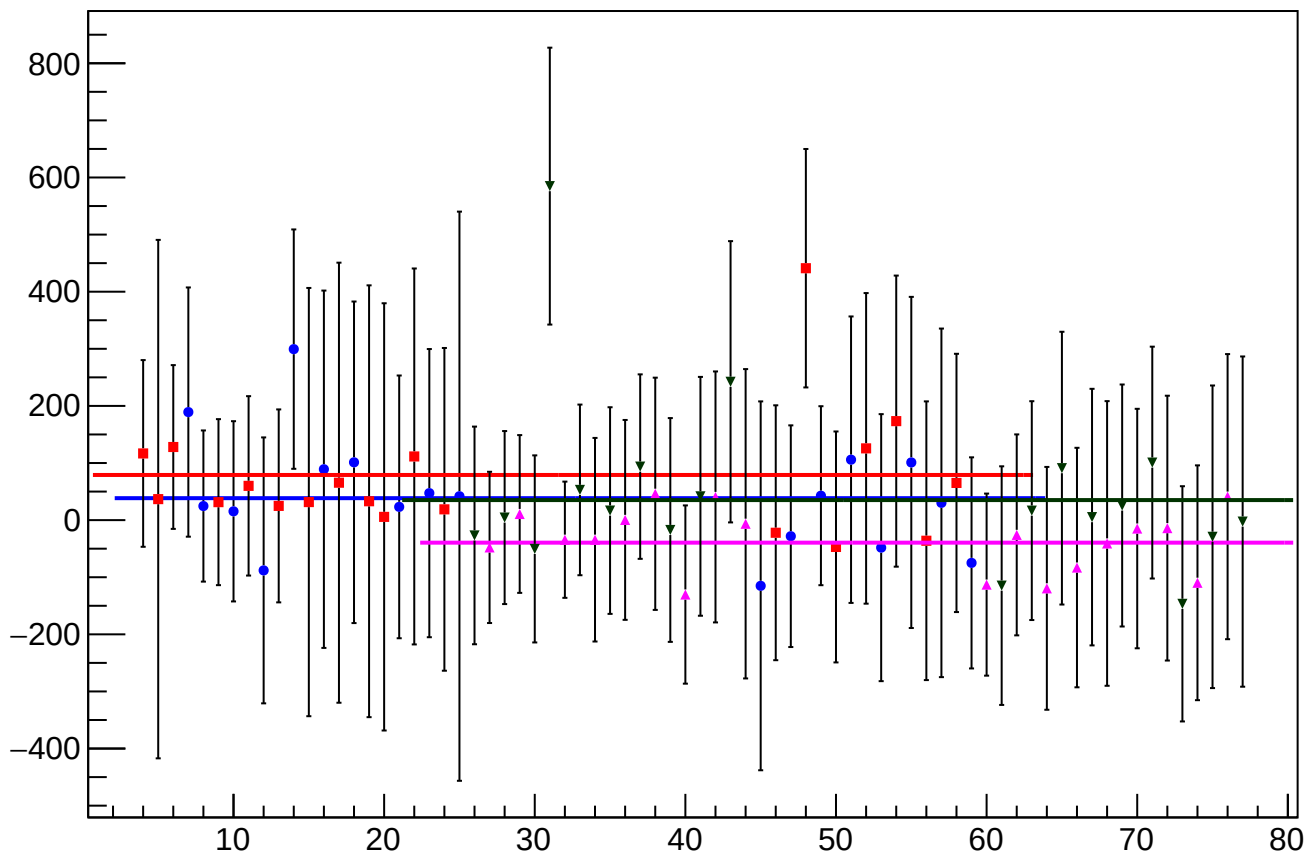
16.587 $\pm$ 0.003 χ^2/NDF : 5167557.7/36

Right Out: 16.920 $\pm$ 0.004 χ^2/NDF : 5539958.1/18

16.362 $\pm$ 0.003 χ^2/NDF : 5713754.6/36

Left In: 16.004 $\pm$ 0.004 χ^2/NDF : 148015.5/17

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 38.450+/-51.040 χ^2/NDF : 3.4/17

Left Out: 35.109+/-45.255 χ^2/NDF : 8.1/18

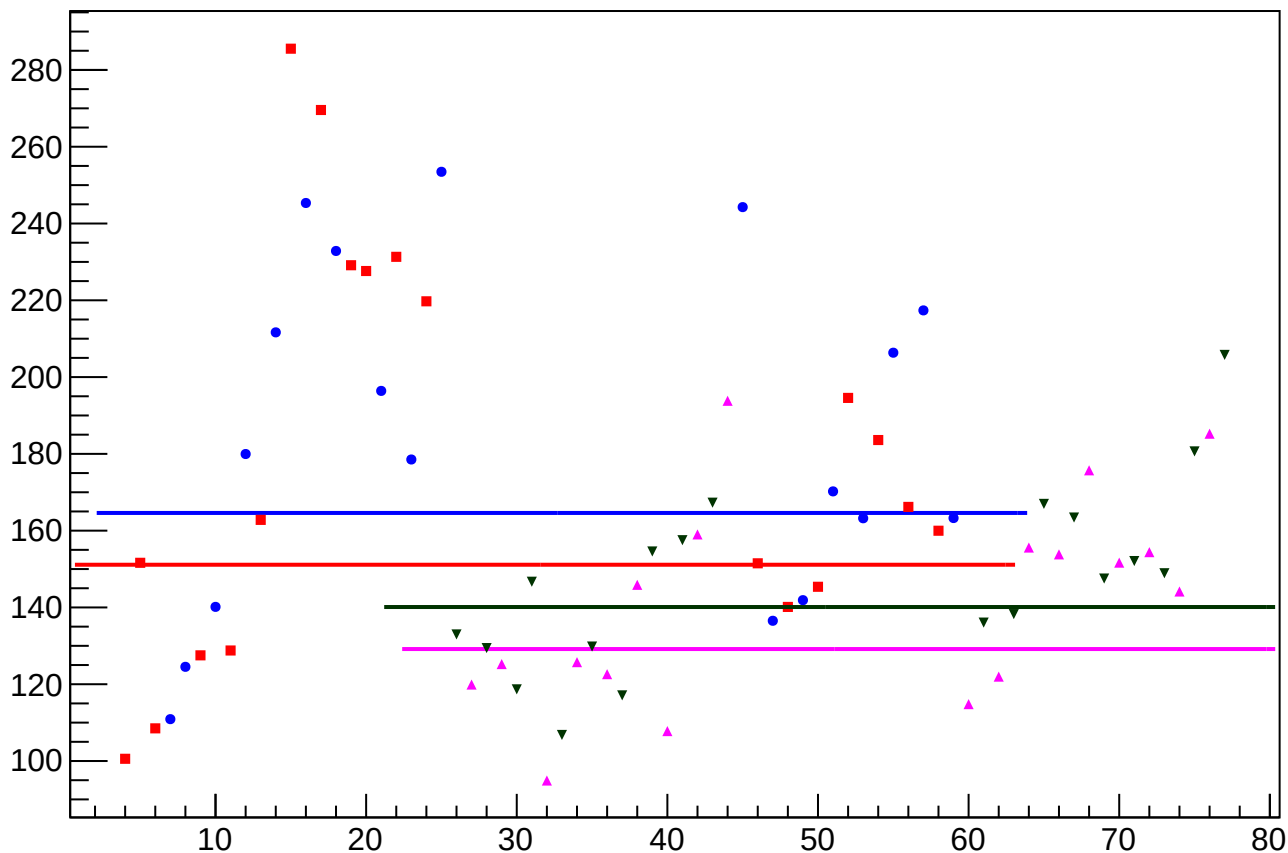
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

Left In: -39.461+/-41.402 χ^2/NDF : 1.5/17

36.579+/-33.861 χ^2/NDF : 11.5/36

8.490+/-31.949 χ^2/NDF : 9.3/36

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 164.613+/-0.036 χ^2/NDF : 1128549.0/17

Left Out: 140.110+/-0.032 χ^2/NDF : 455008.2/18

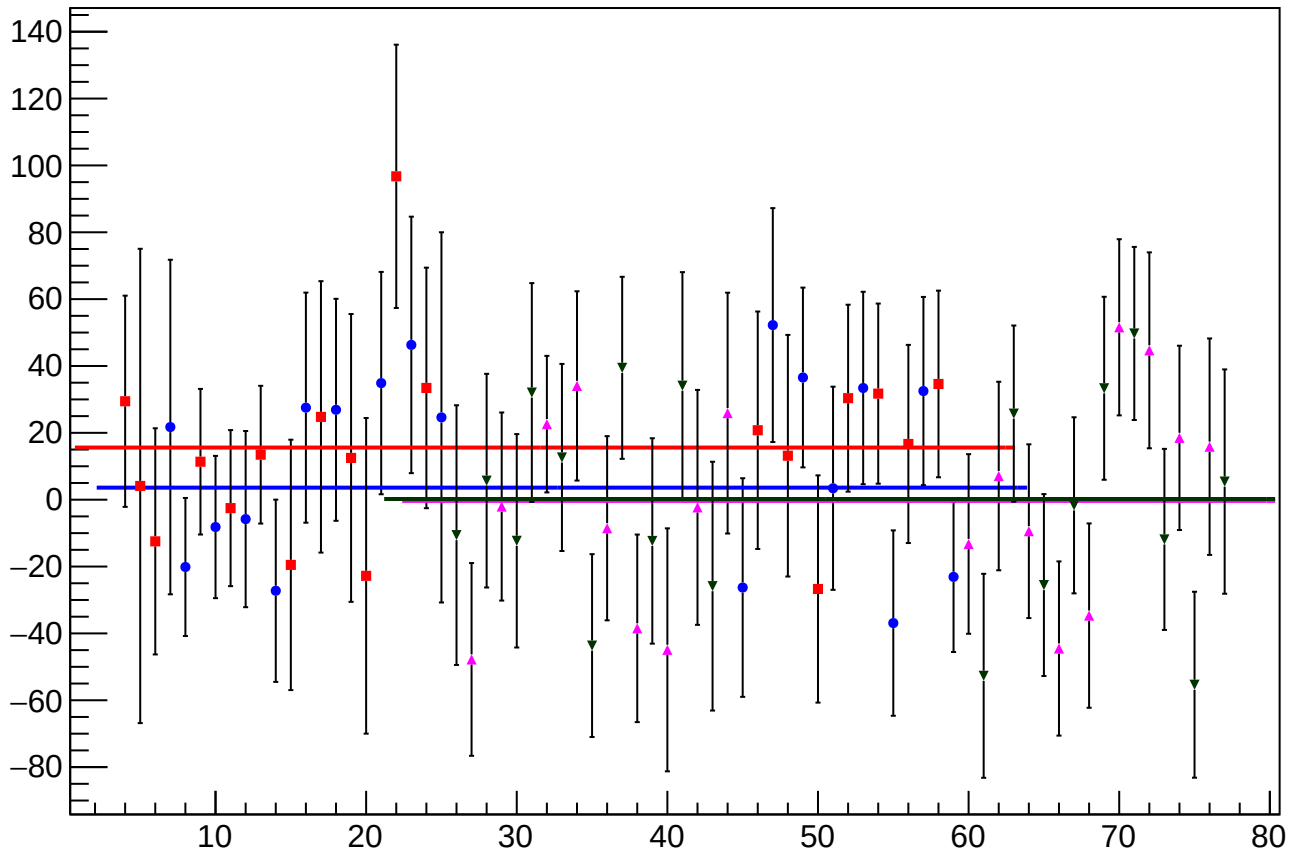
150.894+/-0.024 χ^2/NDF : 1841617.6/36

Right Out: 151.124+/-0.036 χ^2/NDF : 1423423.3/18

138.048+/-0.023 χ^2/NDF : 2400607.2/36

Left In: 129.165+/-0.029 χ^2/NDF : 749612.8/17

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



Right In: 3.606 $\pm$ 6.842 χ^2 /NDF: 16.3/17

Left Out: 0.208 $\pm$ 6.766 χ^2 /NDF:21.9/18

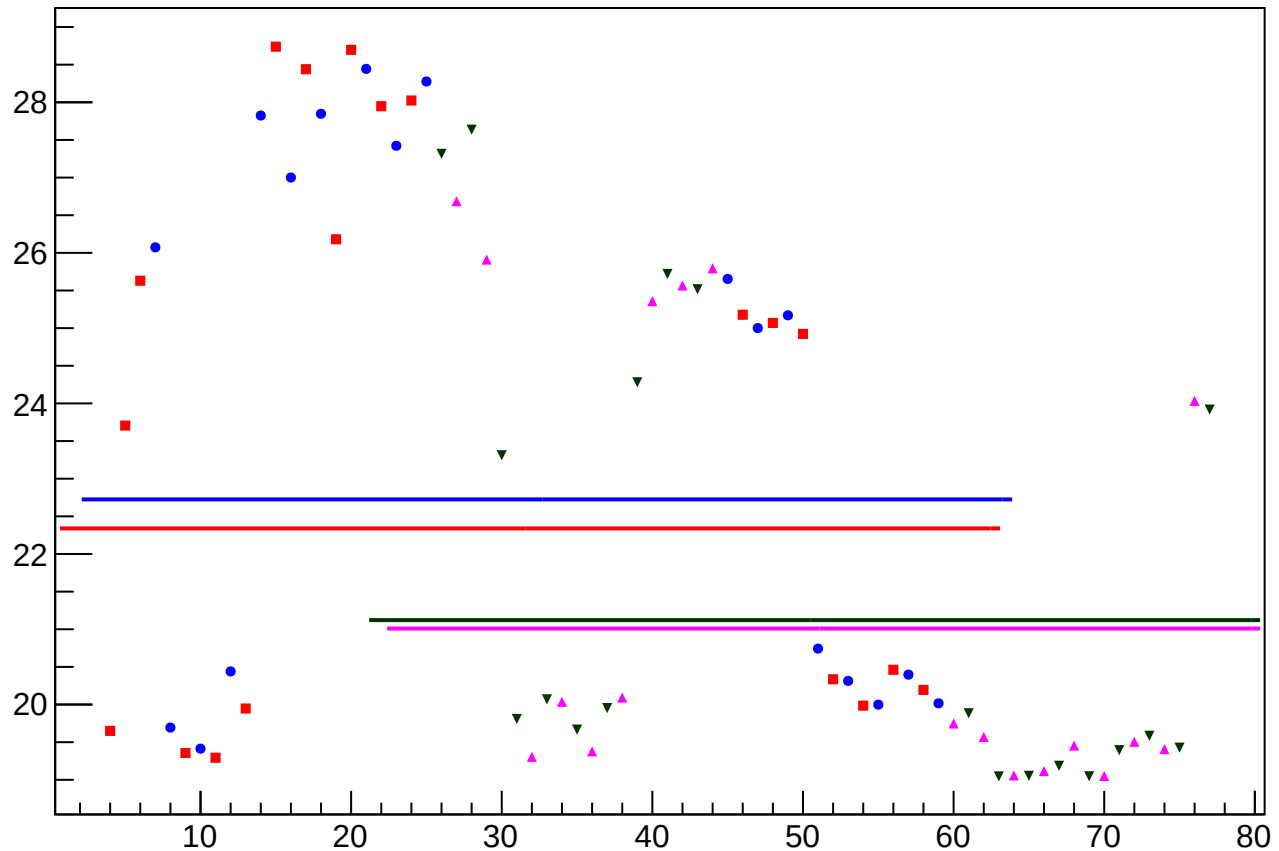
1.888 $\pm$ 4.811 χ^2 /NDF: 38.4/36

Right Out: 15.596 $\pm$ 7.143 χ^2 /NDF: 10.3/18

7.012 $\pm$ 4.855 χ^2 /NDF: 34.2/36

Left In: -0.360 $\pm$ 6.619 χ^2 /NDF:21.2/17

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 22.725+/-0.005 χ^2/NDF : 498774.9/17

Left Out: 21.122+/-0.005 χ^2/NDF : 330606.5/18

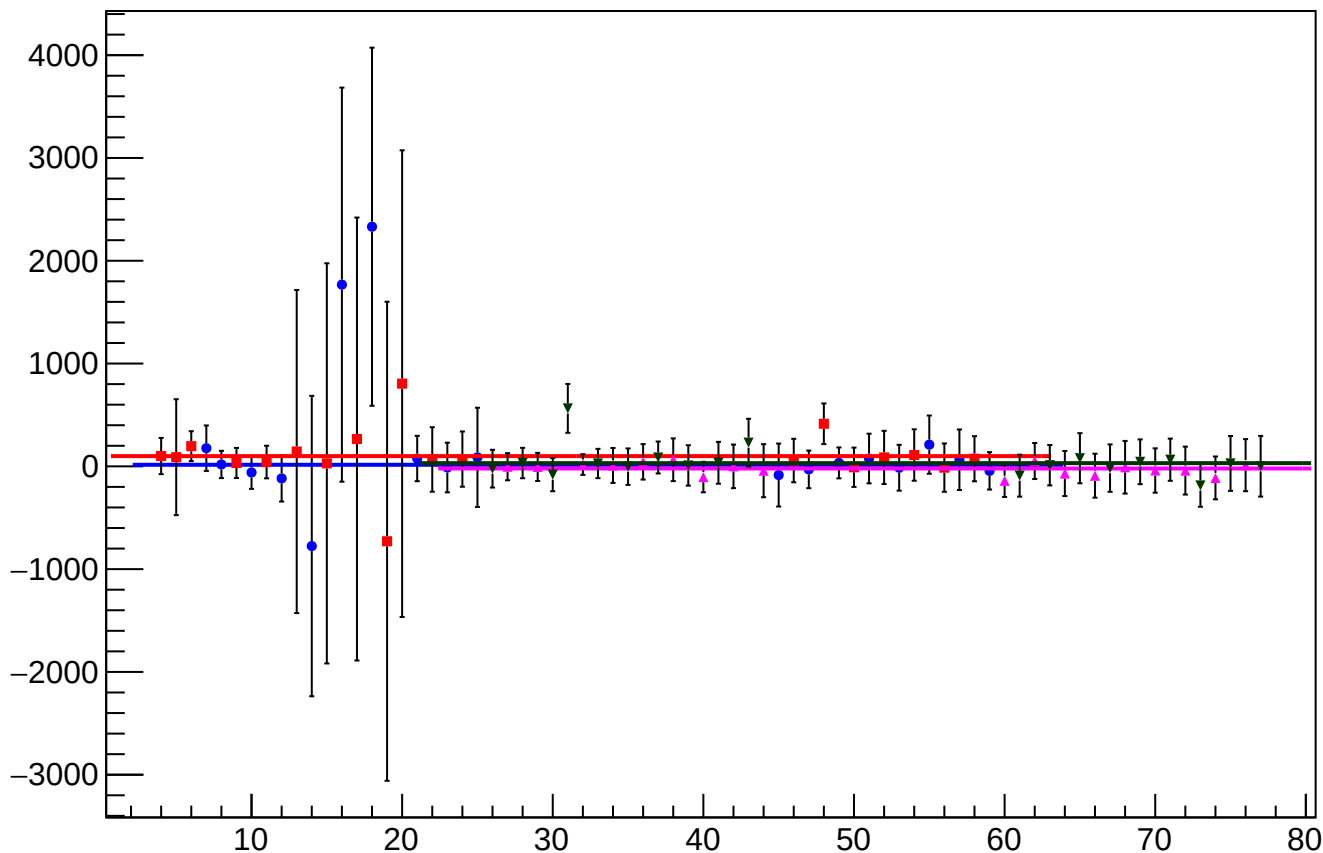
Right Out: 22.340+/-0.005 χ^2/NDF : 460008.2/18

Left In: 21.010+/-0.005 χ^2/NDF : 339547.8/17

21.914+/-0.003 χ^2/NDF : 884907.4/36

21.624+/-0.003 χ^2/NDF : 836871.0/36

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 15.197+/-53.019 χ^2/NDF : 5.0/17

Left Out: 31.035+/-44.649 χ^2/NDF : 8.1/18

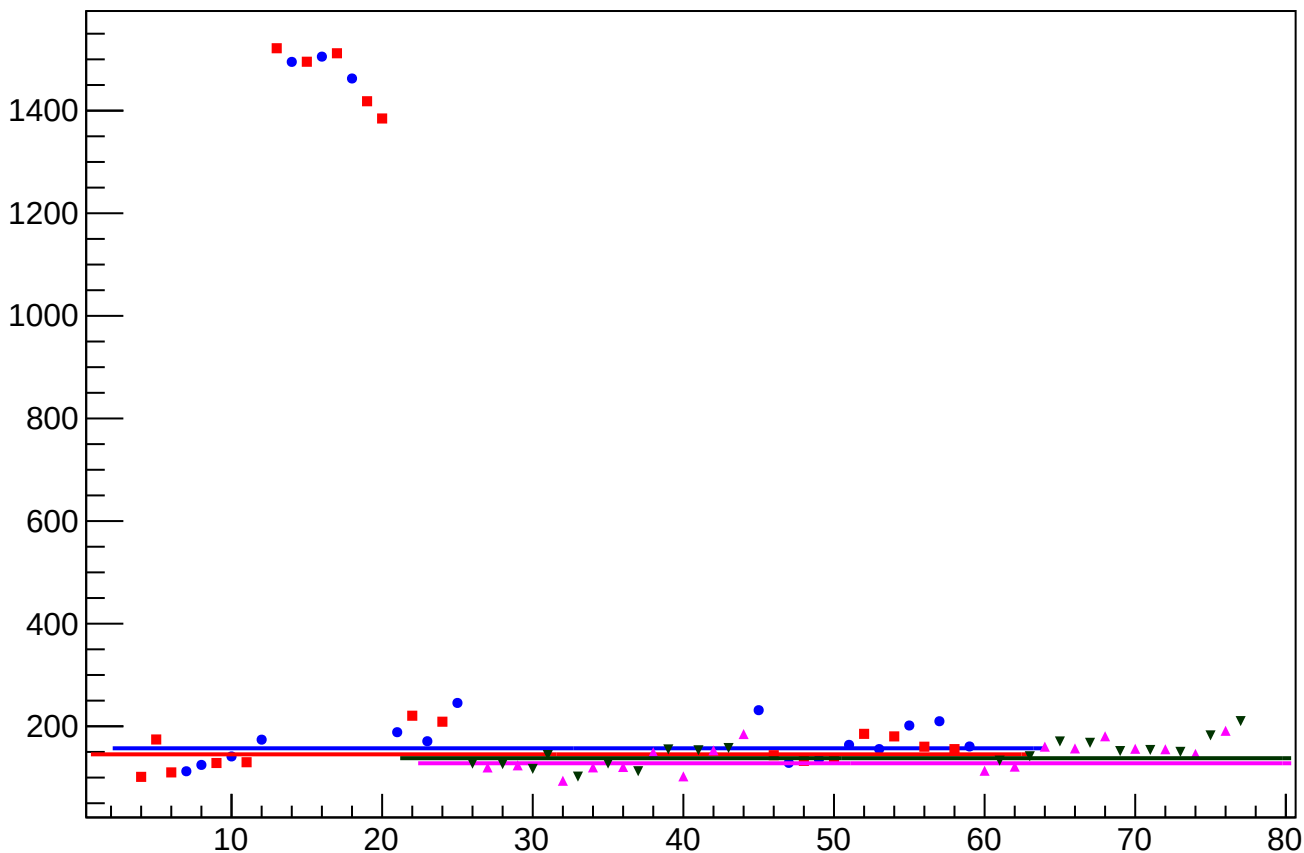
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -21.026+/-41.048 χ^2/NDF : 2.0/17

24.463+/-34.152 χ^2/NDF : 13.1/36

22.823+/-32.742 χ^2/NDF : 9.3/36

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 157.088+/-0.037 χ^2/NDF : 4456786.2/17

Left Out: 137.776+/-0.032 χ^2/NDF :556767.1/18

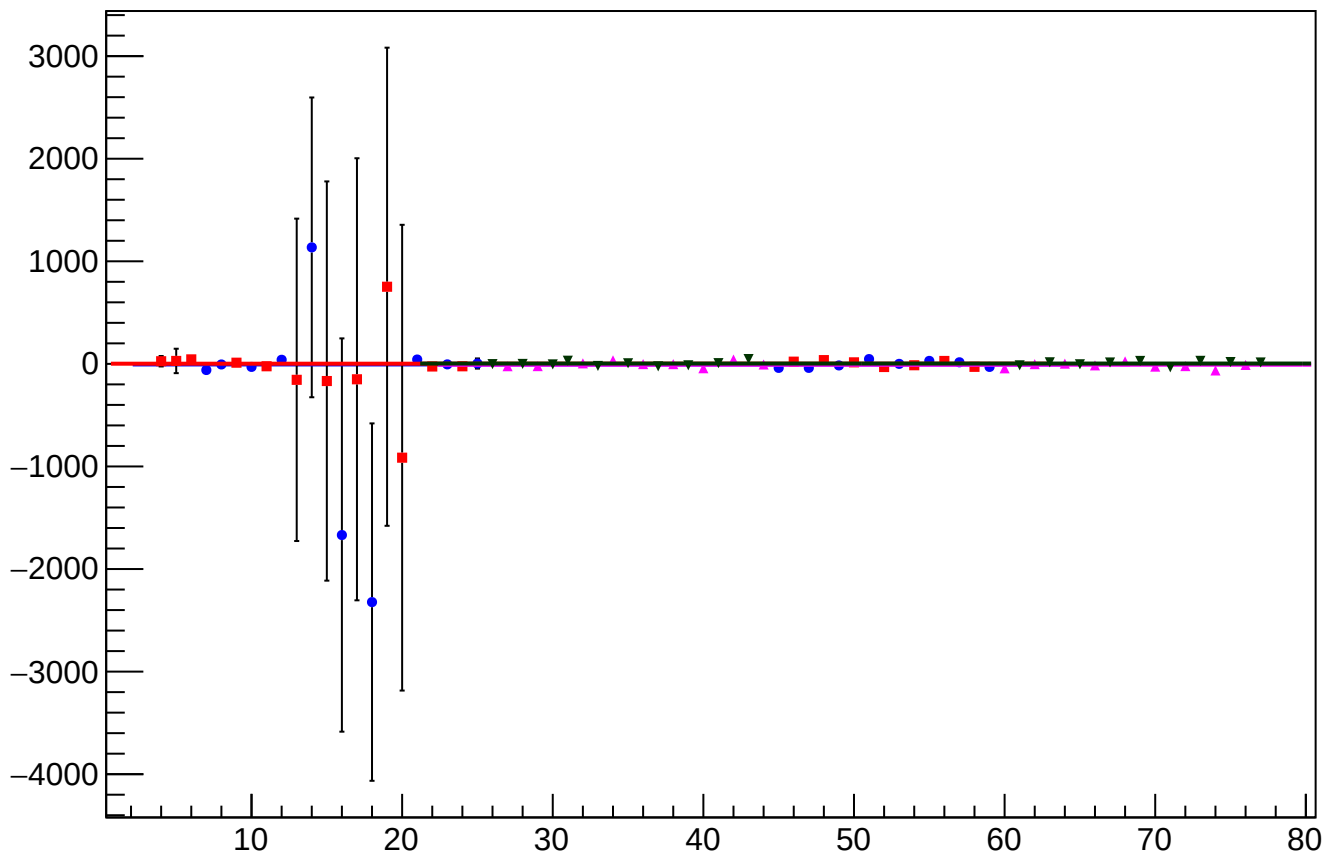
145.789+/-0.024 χ^2/NDF : 5168802.5/36

Right Out: 145.299+/-0.038 χ^2/NDF : 5124139.9/18

134.232+/-0.023 χ^2/NDF : 6094826.5/36

Left In: 127.904+/-0.029 χ^2/NDF :840034.2/17

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -5.662+/-7.390 χ^2/NDF : 18.7/17

Left Out: 3.308+/-6.703 χ^2/NDF : 9.6/18

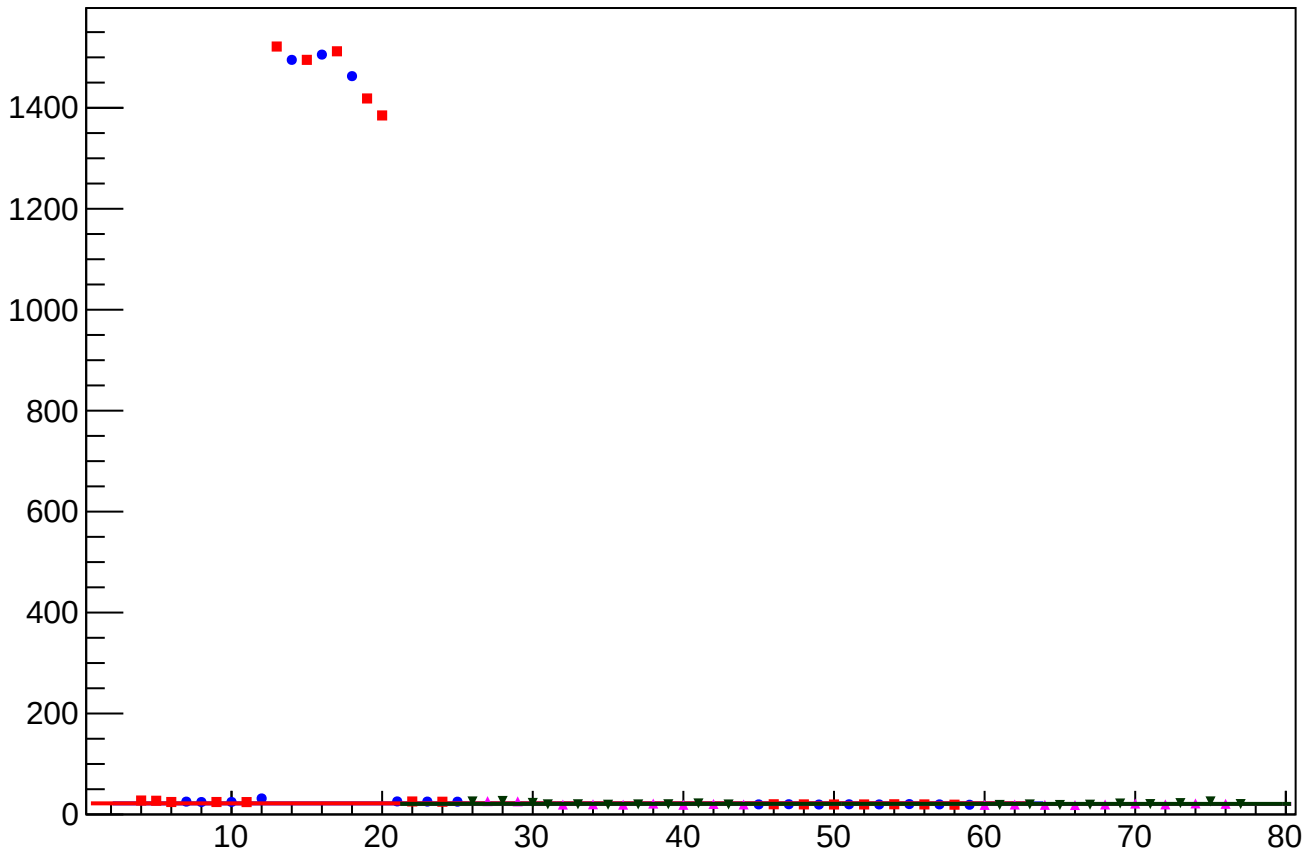
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -8.746+/-6.499 χ^2/NDF : 15.0/17

-0.741+/-4.965 χ^2/NDF : 29.1/36

-4.744+/-5.108 χ^2/NDF : 26.4/36

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 21.918 $\pm$ 0.005 χ^2 /NDF: 4931747.1/17

Left Out: 20.919 $\pm$ 0.005 χ^2 /NDF: 206917.1/18

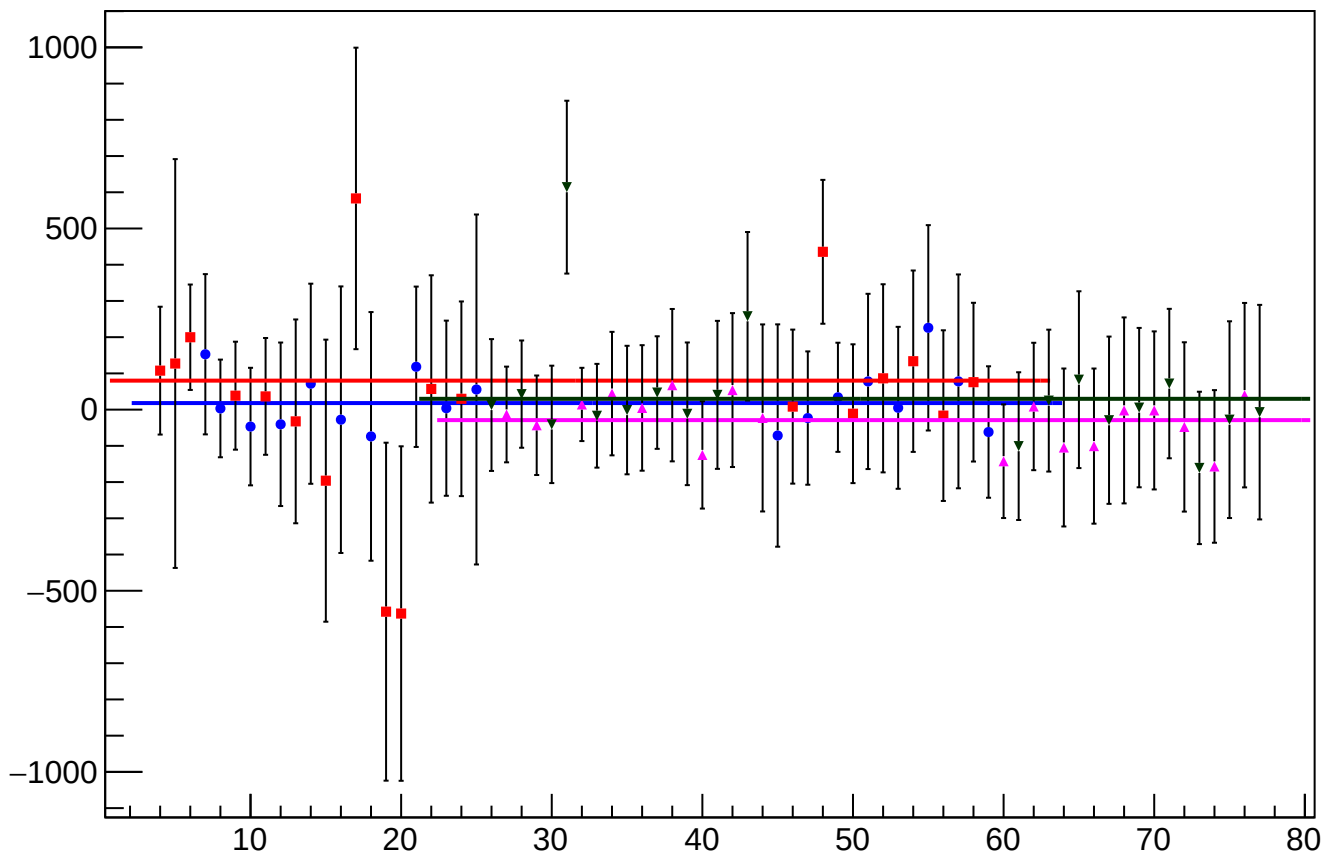
Right Out: 21.987 $\pm$ 0.006 χ^2 /NDF: 5559967.3/18

Left In: 20.674 $\pm$ 0.005 χ^2 /NDF: 206623.8/17

21.370 $\pm$ 0.004 χ^2 /NDF: 5158723.7/36

21.176 $\pm$ 0.004 χ^2 /NDF: 5797781.0/36

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 18.106+/-51.332 χ^2/NDF : 1.9/17

Left Out: 29.841+/-44.760 χ^2/NDF : 8.8/18

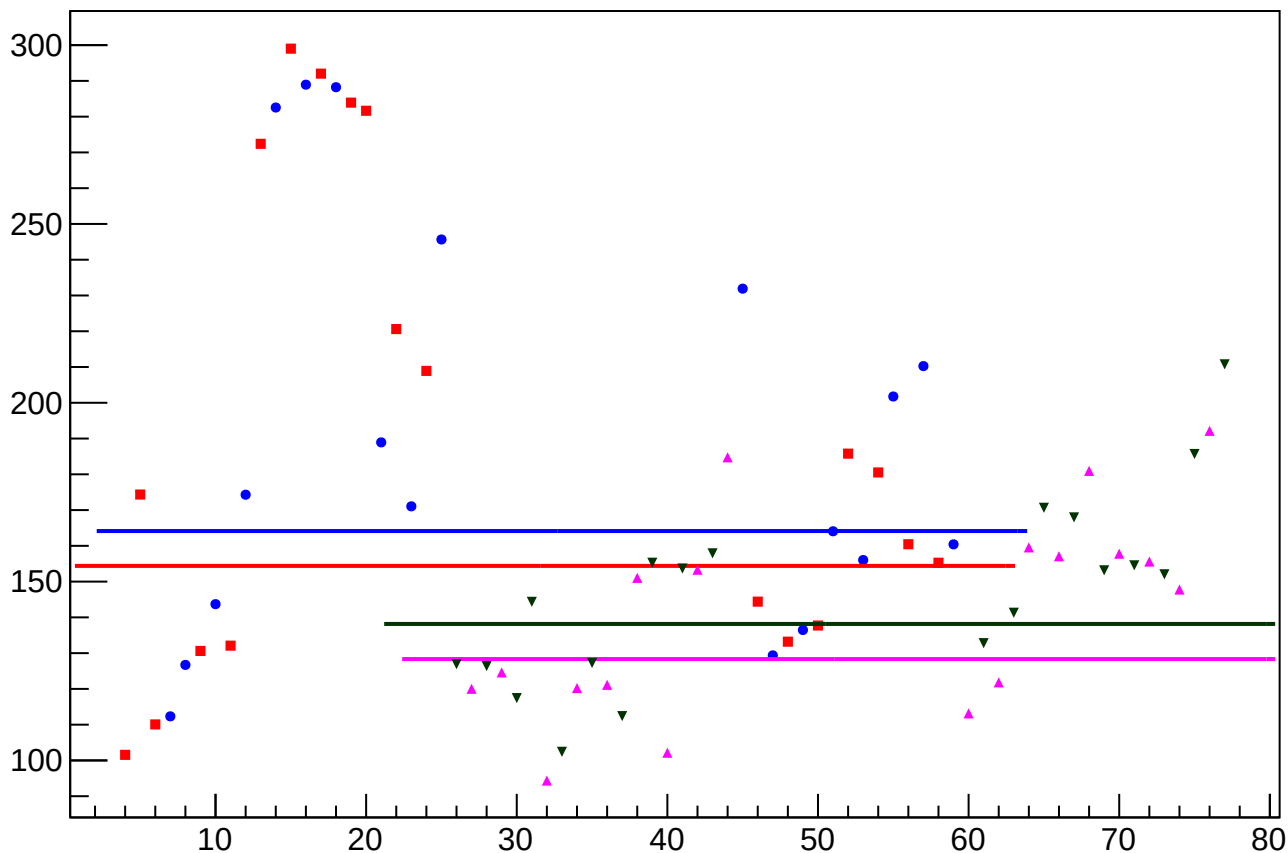
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

Left In: -28.963+/-41.186 χ^2/NDF : 2.5/17

24.772+/-33.736 χ^2/NDF : 10.8/36

12.978+/-32.305 χ^2/NDF : 15.8/36

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 164.140 $\pm$ 0.036 χ^2 /NDF: 1566554.6/17

Left Out: 138.162 $\pm$ 0.032 χ^2 /NDF: 565364.5/18

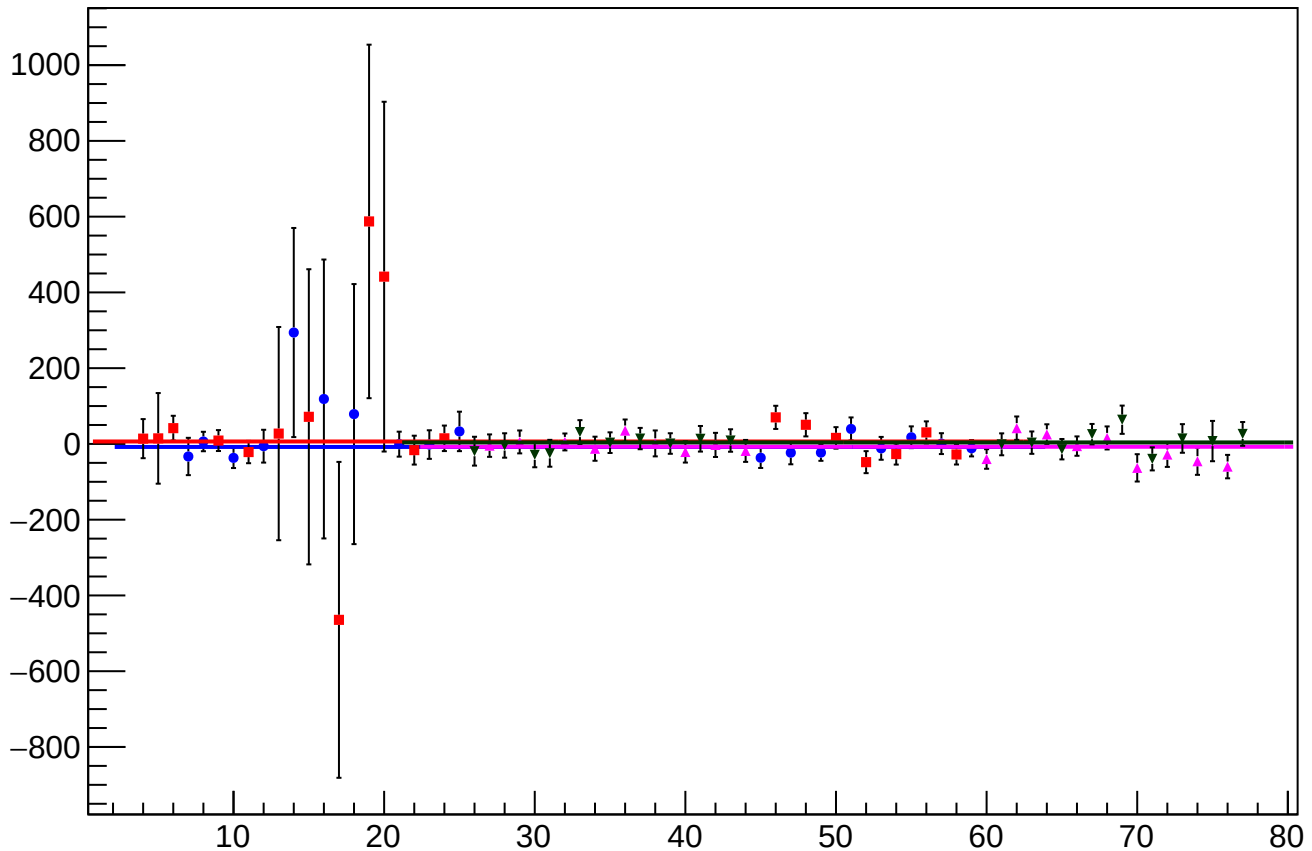
149.383 $\pm$ 0.024 χ^2 /NDF: 2422890.6/36

Right Out: 154.395 $\pm$ 0.037 χ^2 /NDF: 1875575.3/18

138.366 $\pm$ 0.023 χ^2 /NDF: 3024439.3/36

Left In: 128.343 $\pm$ 0.029 χ^2 /NDF: 840973.1/17

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



Right In: -7.981 $\pm$ 7.603 χ^2 /NDF: 9.0/17

Left Out: 3.973 $\pm$ 7.194 χ^2 /NDF: 9.4/18

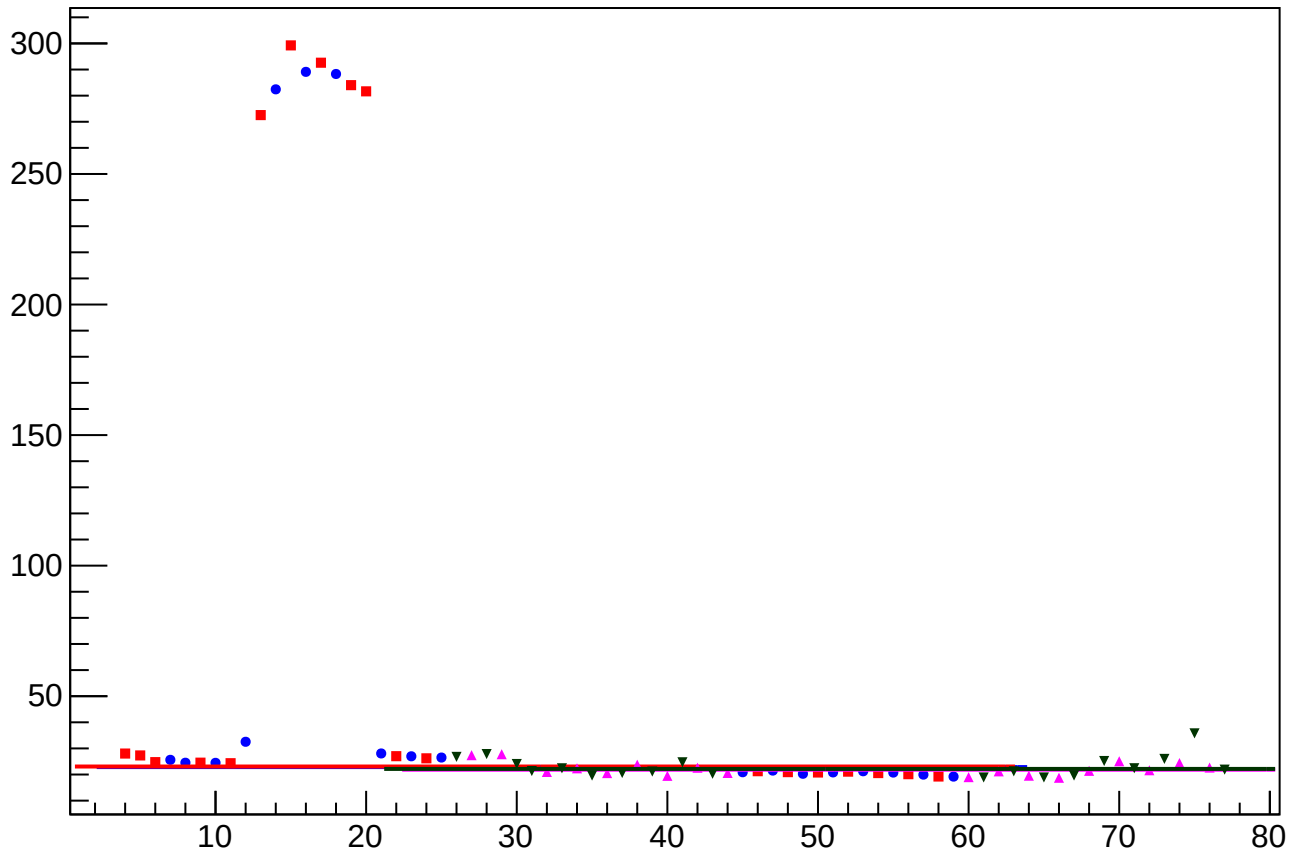
Right Out: 6.463 $\pm$ 8.479 χ^2 /NDF: 20.1/18

Left In: -7.485 $\pm$ 6.935 χ^2 /NDF: 16.1/17

-1.674 $\pm$ 5.226 χ^2 /NDF: 19.7/36

-1.894 $\pm$ 5.368 χ^2 /NDF: 37.8/36

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 22.854+/-0.005 χ^2/NDF : 4363507.8/17

Left Out: 22.149+/-0.005 χ^2/NDF : 384926.9/18

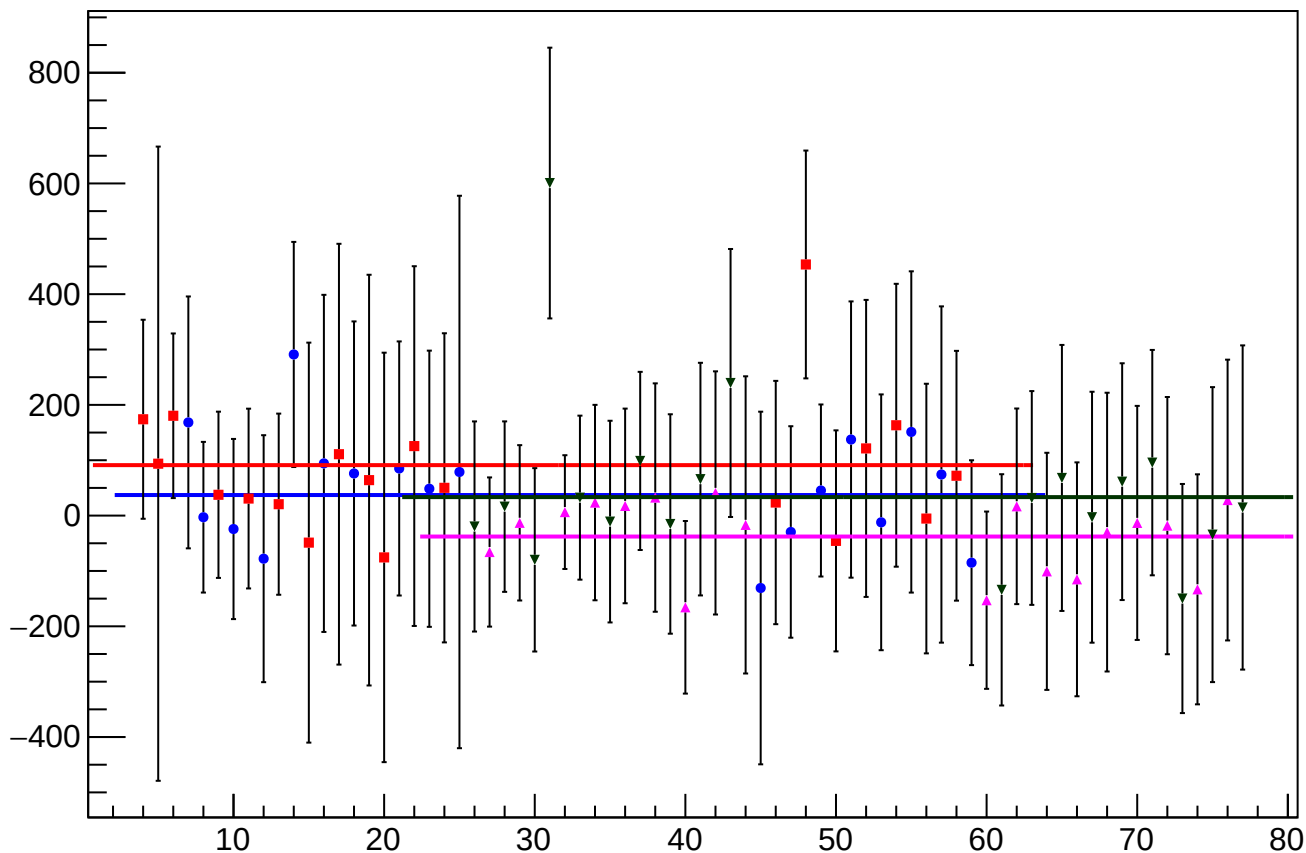
22.482+/-0.004 χ^2/NDF : 4757513.2/36

Right Out: 23.069+/-0.006 χ^2/NDF : 4856723.7/18

22.333+/-0.004 χ^2/NDF : 5159029.8/36

Left In: 21.841+/-0.005 χ^2/NDF : 277181.5/17

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 37.153+/-51.038 χ^2/NDF : 3.7/17

Left Out: 33.389+/-45.443 χ^2/NDF : 8.6/18

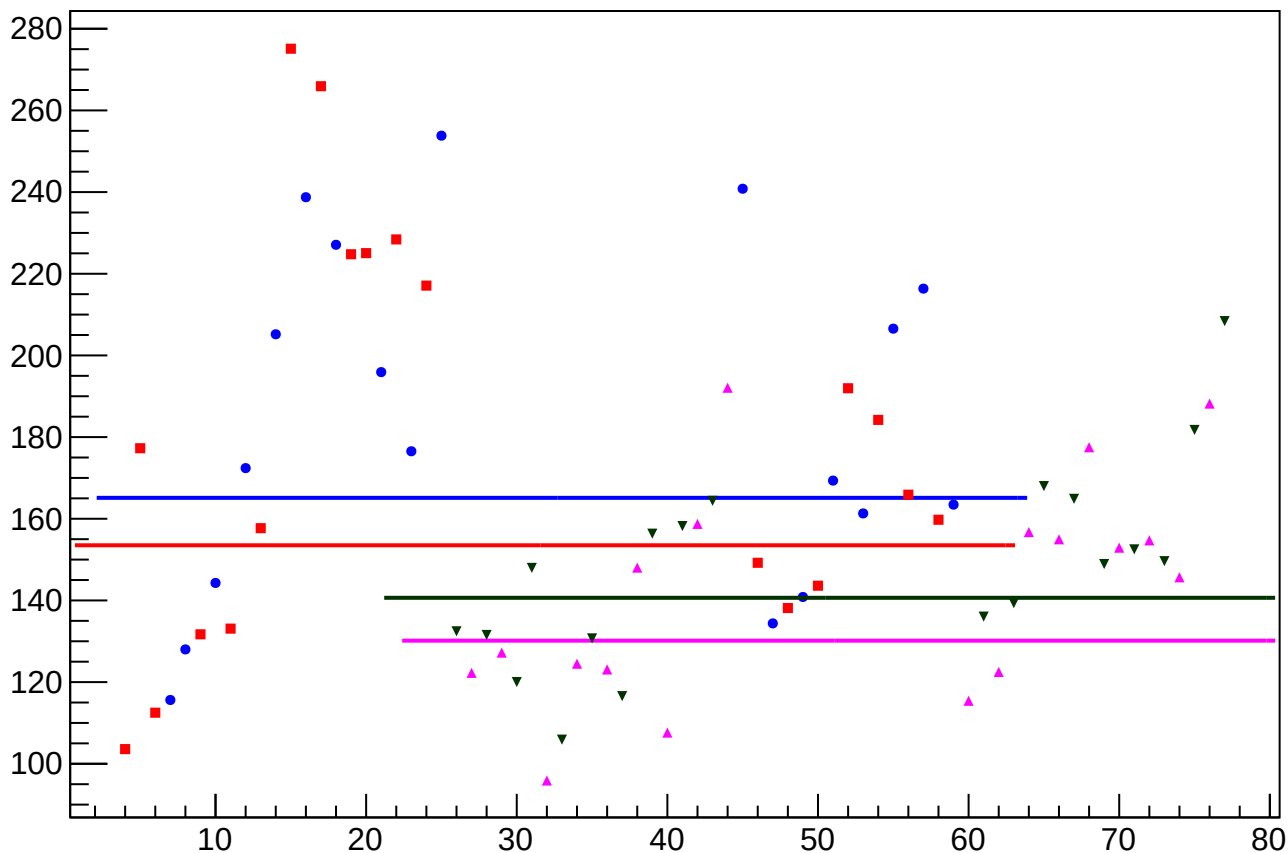
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -37.833+/-41.706 χ^2/NDF : 2.5/17

35.053+/-33.939 χ^2/NDF : 12.3/36

13.939+/-32.268 χ^2/NDF : 11.7/36

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 165.125 $\pm$ 0.036 χ^2 /NDF: 990659.0/17

Left Out: 140.647 $\pm$ 0.032 χ^2 /NDF: 468165.1/18

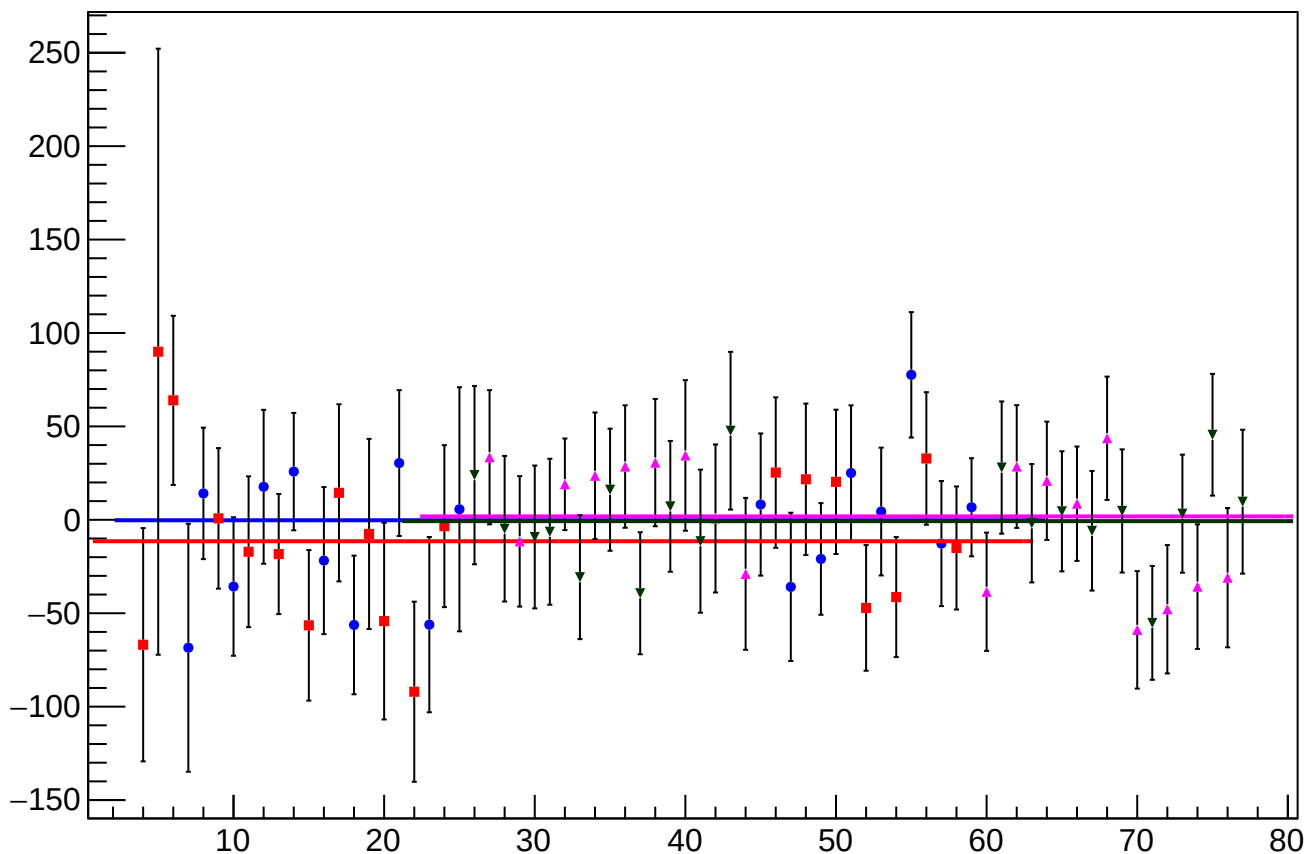
Right Out: 153.509 $\pm$ 0.036 χ^2 /NDF: 1238601.8/18

Left In: 130.152 $\pm$ 0.029 χ^2 /NDF: 743676.4/17

151.471 $\pm$ 0.024 χ^2 /NDF: 1715428.0/36

139.527 $\pm$ 0.023 χ^2 /NDF: 2234053.6/36

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -0.239 $\pm$ 8.646 χ^2 /NDF: 15.1/17

Left Out: -0.708 $\pm$ 7.998 χ^2 /NDF:10.3/18

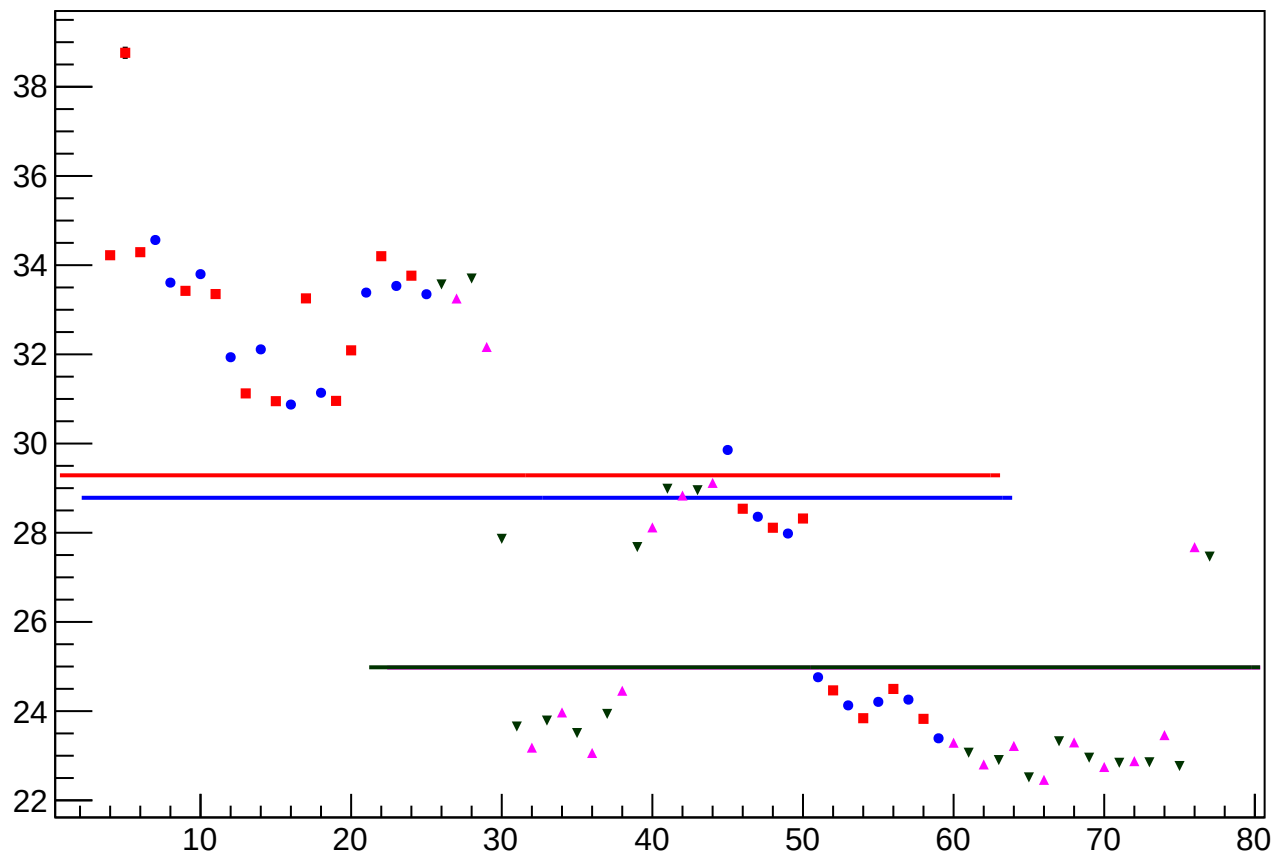
Right Out: -11.462 $\pm$ 9.405 χ^2 /NDF: 14.9/18

Left In: 1.820 $\pm$ 7.864 χ^2 /NDF:16.6/17

-0.492 $\pm$ 5.871 χ^2 /NDF: 25.4/36

-3.645 $\pm$ 6.033 χ^2 /NDF: 32.7/36

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 28.784 $\pm$ 0.006 χ^2 /NDF: 418497.9/17

Left Out: 24.983 $\pm$ 0.006 χ^2 /NDF:314388.0/18

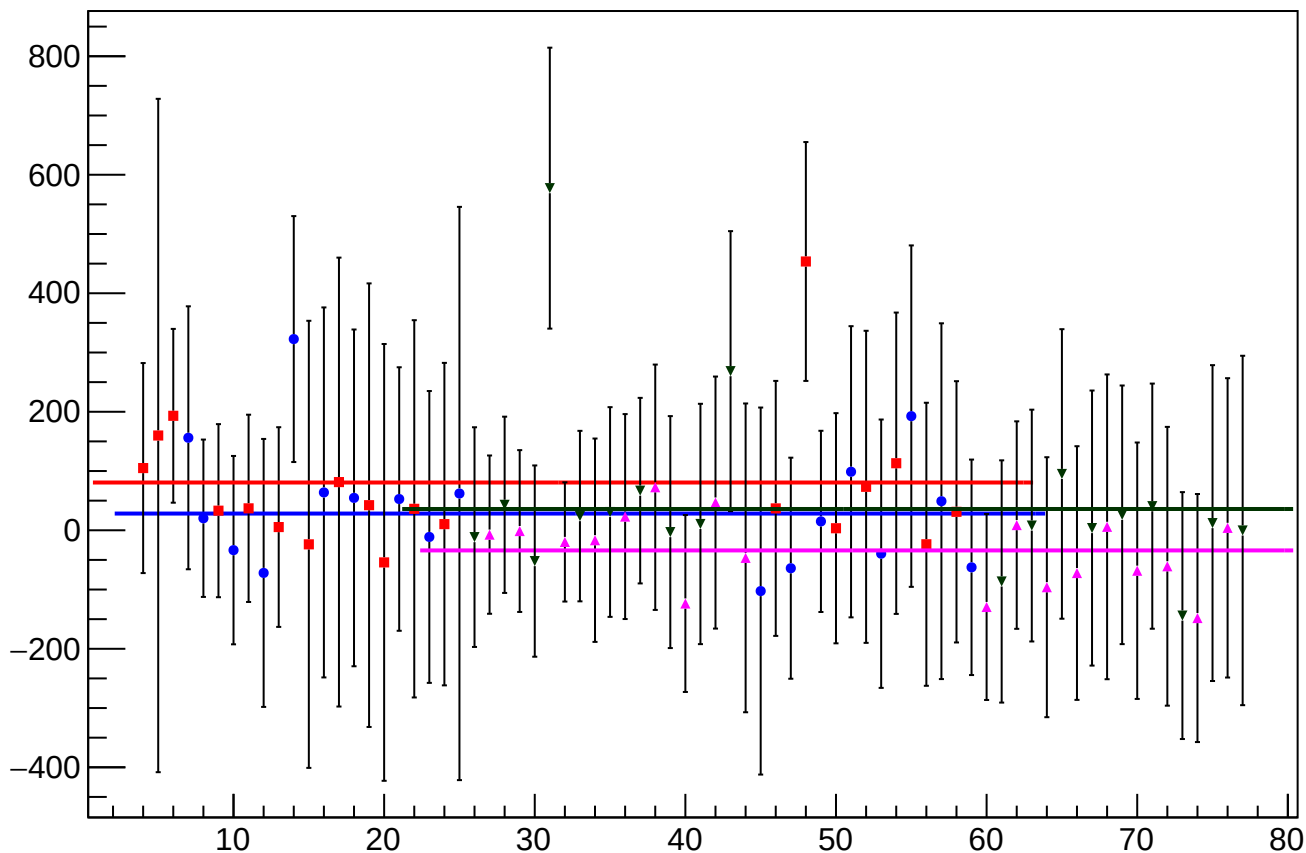
Right Out: 29.288 $\pm$ 0.007 χ^2 /NDF: 355757.4/18

Left In: 24.976 $\pm$ 0.006 χ^2 /NDF:334033.7/17

26.735 $\pm$ 0.004 χ^2 /NDF: 941202.5/36

26.750 $\pm$ 0.004 χ^2 /NDF: 937174.5/36

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 28.225+/-50.353 χ^2/NDF : 3.9/17

Left Out: 35.925+/-44.800 χ^2/NDF : 7.9/18

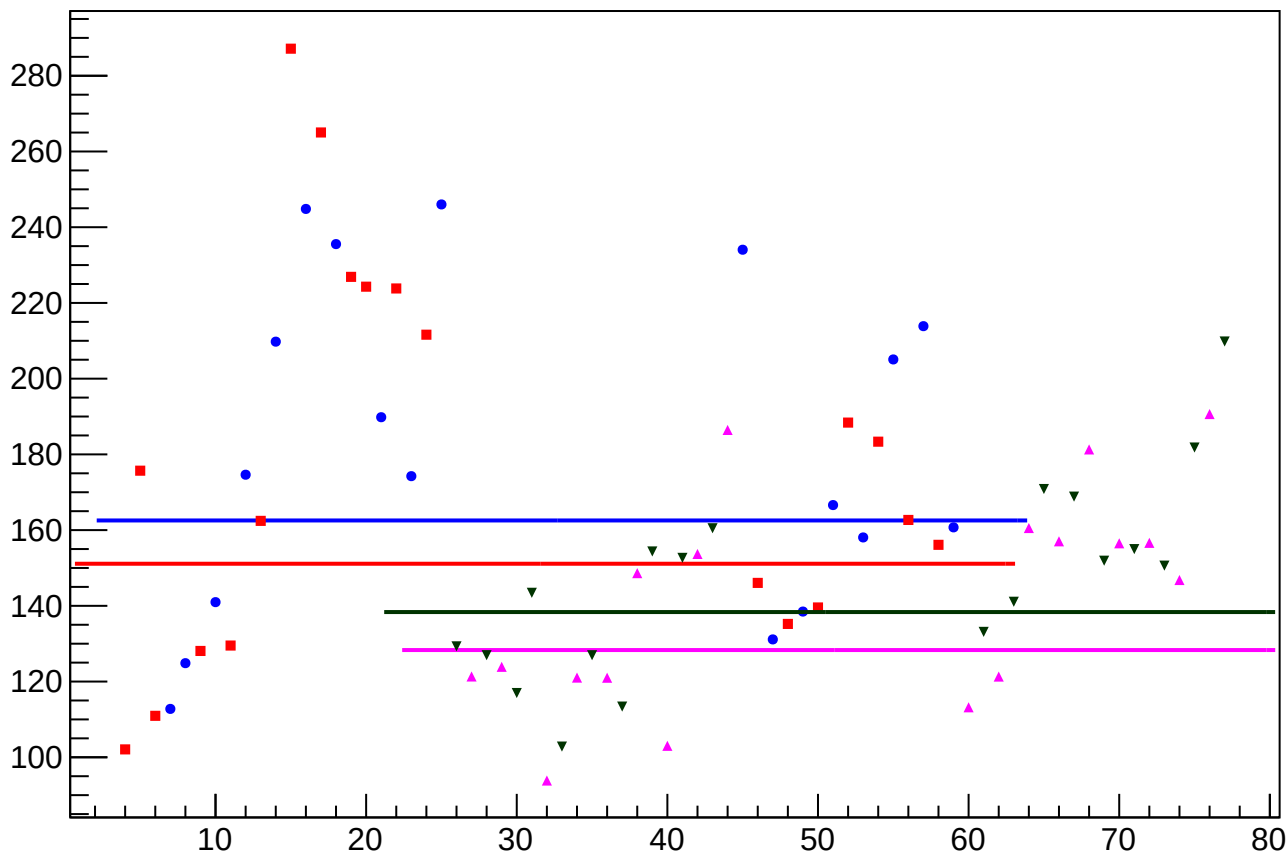
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -33.991+/-41.175 χ^2/NDF : 1.9/17

32.523+/-33.470 χ^2/NDF : 11.8/36

12.055+/-31.847 χ^2/NDF : 10.2/36

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 162.548+/-0.036 χ^2/NDF : 1089314.8/17

Left Out: 138.356+/-0.032 χ^2/NDF : 544395.4/18

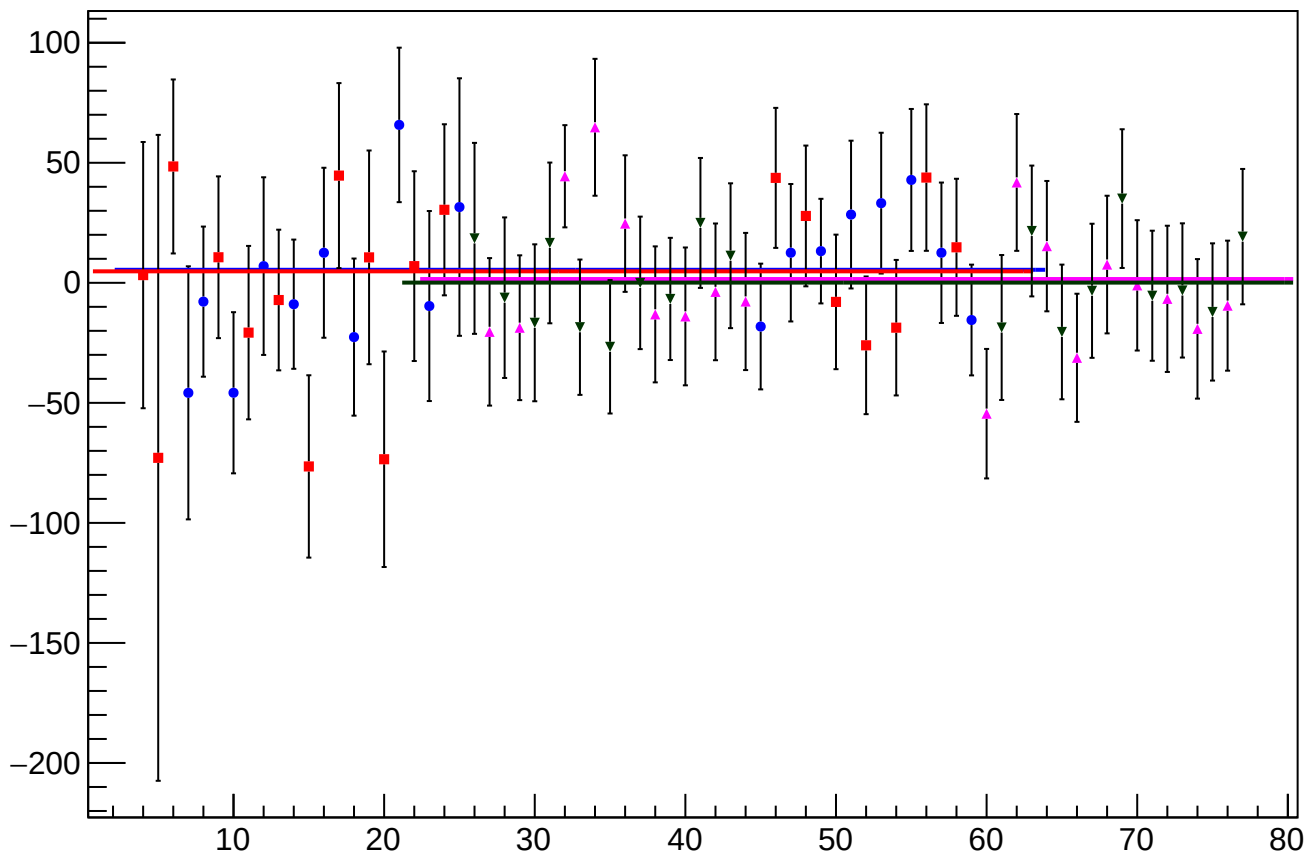
149.045+/-0.024 χ^2/NDF : 1891387.1/36

Right Out: 151.117+/-0.036 χ^2/NDF : 1306443.7/18

137.480+/-0.023 χ^2/NDF : 2393059.8/36

Left In: 128.321+/-0.029 χ^2/NDF : 840311.0/17

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 5.427 $\pm$ 7.205 χ^2 /NDF: 13.4/17

Left Out: 0.089 $\pm$ 6.659 χ^2 /NDF: 6.9/18

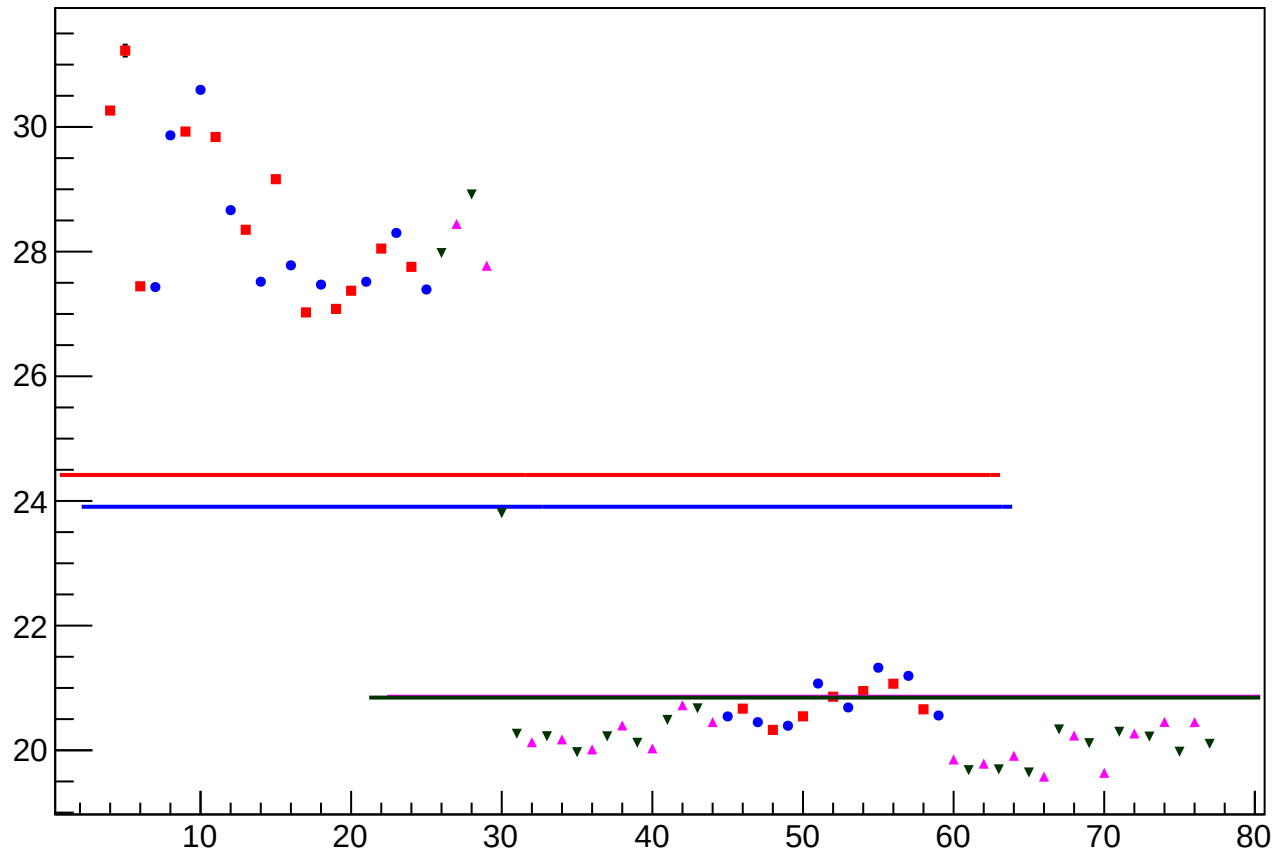
Right Out: 4.784 $\pm$ 7.872 χ^2 /NDF: 17.9/18

Left In: 1.579 $\pm$ 6.549 χ^2 /NDF: 20.2/17

2.548 $\pm$ 4.890 χ^2 /NDF: 20.5/36

2.890 $\pm$ 5.034 χ^2 /NDF: 38.2/36

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.907 $\pm$ 0.005 χ^2 /NDF: 565903.0/17

Left Out: 20.846 $\pm$ 0.005 χ^2 /NDF: 221077.9/18

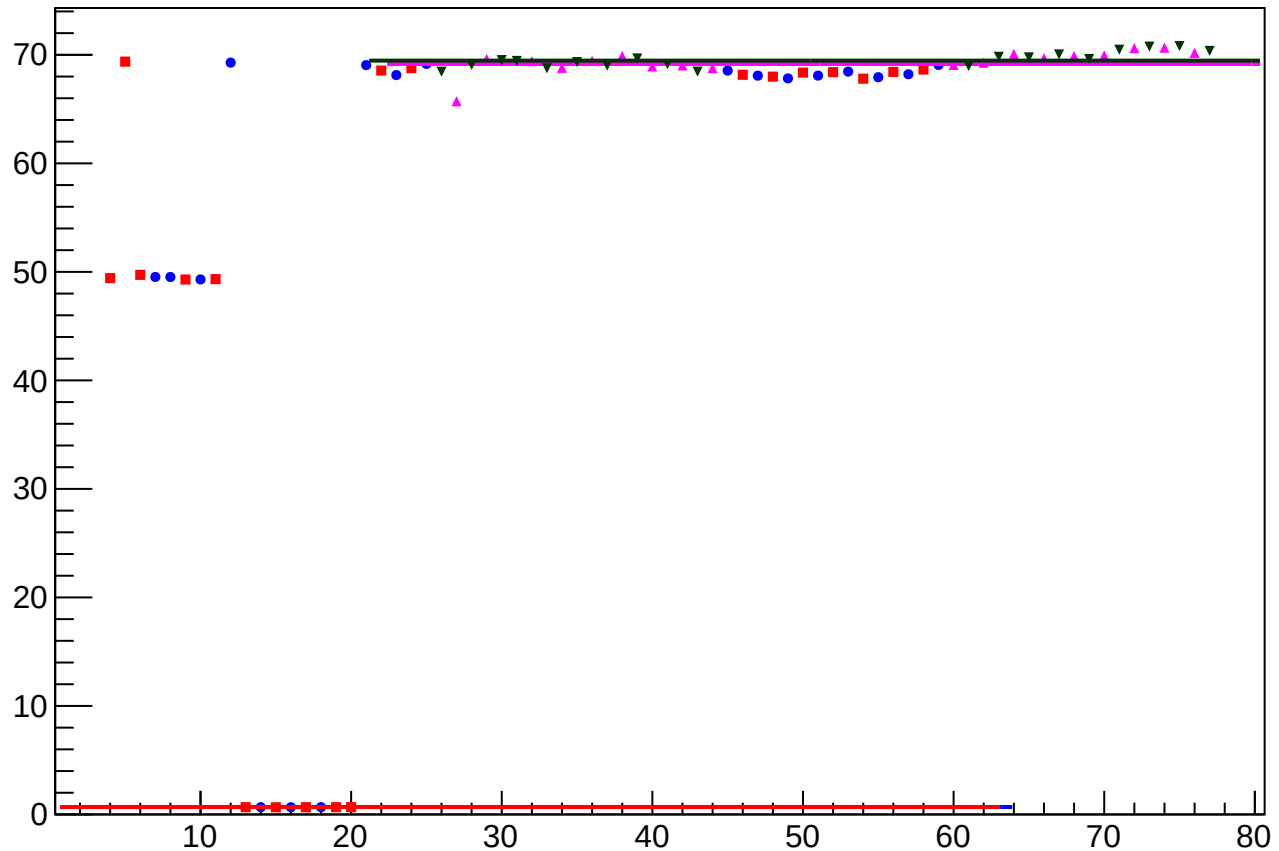
Right Out: 24.417 $\pm$ 0.006 χ^2 /NDF: 496476.9/18

Left In: 20.861 $\pm$ 0.005 χ^2 /NDF: 254214.2/17

22.256 $\pm$ 0.003 χ^2 /NDF: 981680.9/36

22.315 $\pm$ 0.004 χ^2 /NDF: 991932.1/36

yield_bcm_an_ds_mean vs slug



Right In: 0.688 ± 0.000 χ^2/NDF : 1036988220984.6/17

Left Out: 69.467 ± 0.000 χ^2/NDF : 114821773.2/18

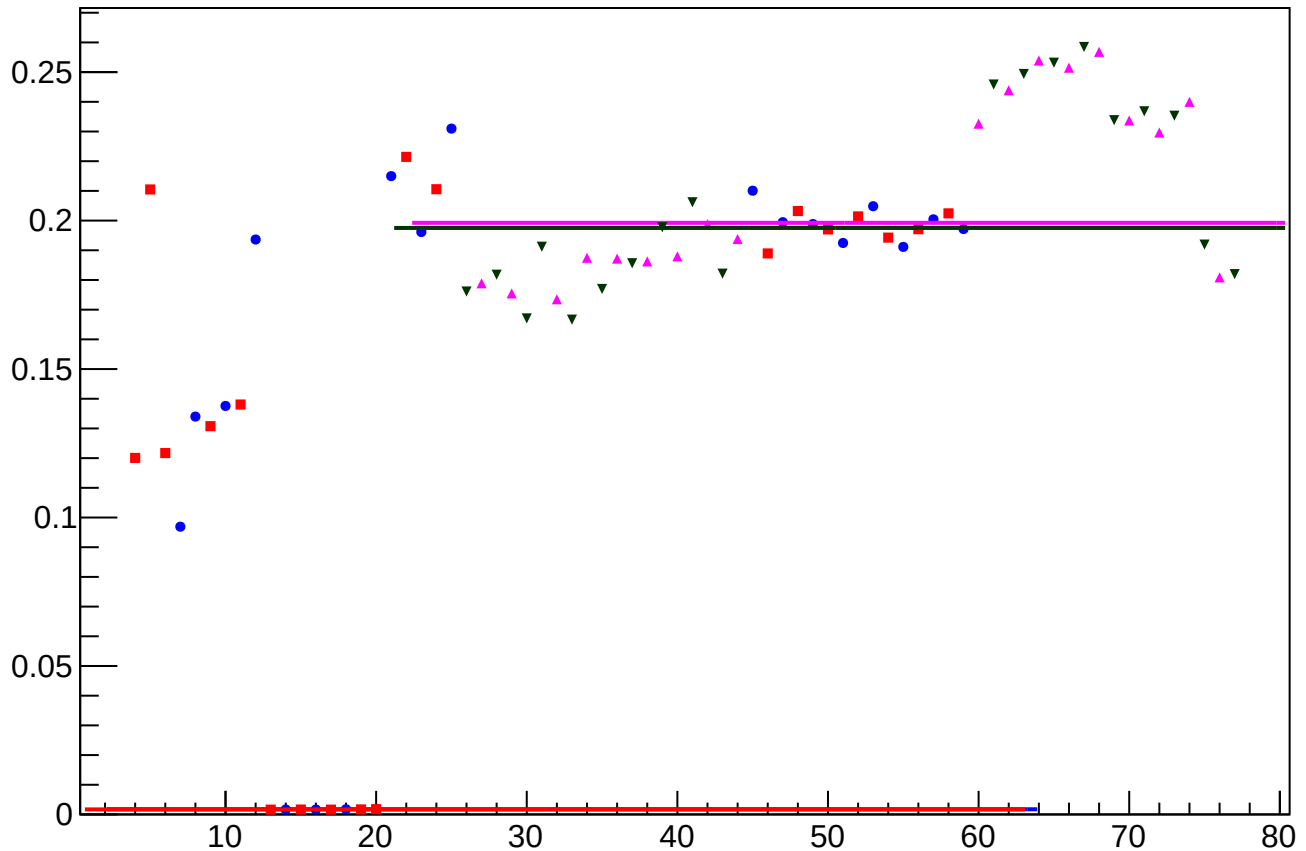
Right Out: 0.684 ± 0.000 χ^2/NDF : 845851789818.6/18

Left In: 69.159 ± 0.000 χ^2/NDF : 397745473.1/17

0.708 ± 0.000 χ^2/NDF : 2183537066067.2/36

0.701 ± 0.000 χ^2/NDF : 2006817221606.3/36

yield_bcm_an_ds_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 16897571.8/17

Left Out: 0.198 $\pm$ 0.000 χ^2 /NDF:389569.7/18

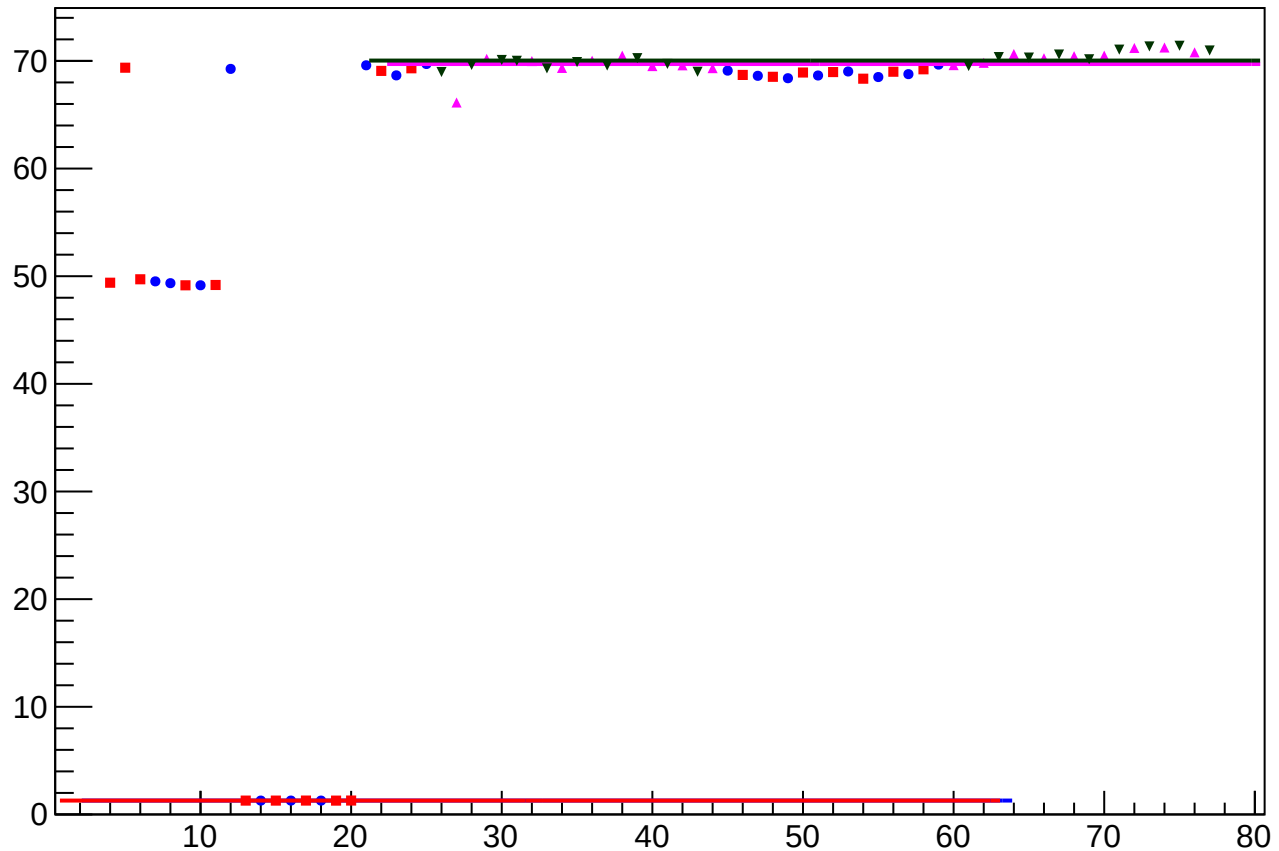
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 13510450.3/18

Left In: 0.199 $\pm$ 0.000 χ^2 /NDF:382949.5/17

0.002 $\pm$ 0.000 χ^2 /NDF: 35863751.9/36

0.002 $\pm$ 0.000 χ^2 /NDF: 33212377.1/36

yield_bcm_an_ds3_mean vs slug



Right In: 1.291+/-0.000 χ^2/NDF : 1010041068715.0/17

Left Out: 70.031+/-0.000 χ^2/NDF : 114693728.9/18

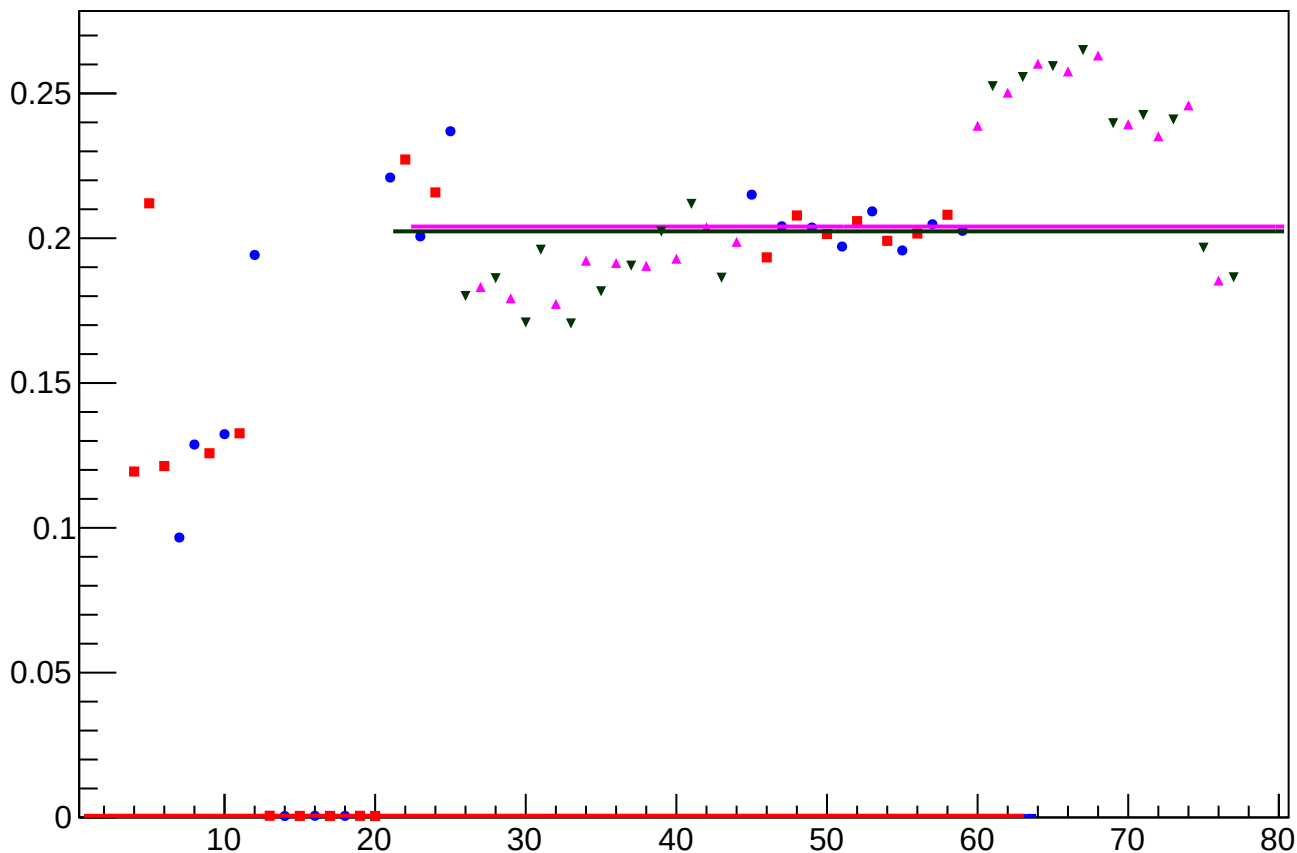
Right Out: 1.290+/-0.000 χ^2/NDF : 826763948171.6/18

Left In: 69.710+/-0.000 χ^2/NDF : 407523121.6/17

1.293+/-0.000 χ^2/NDF : 2101072831804.7/36

1.292+/-0.000 χ^2/NDF : 1932087618023.5/36

yield_bcm_an_ds3_rms vs slug



Right In: 0.001+/-0.000 χ^2/NDF : 17142253.8/17

Left Out: 0.202+/-0.000 χ^2/NDF : 391828.2/18

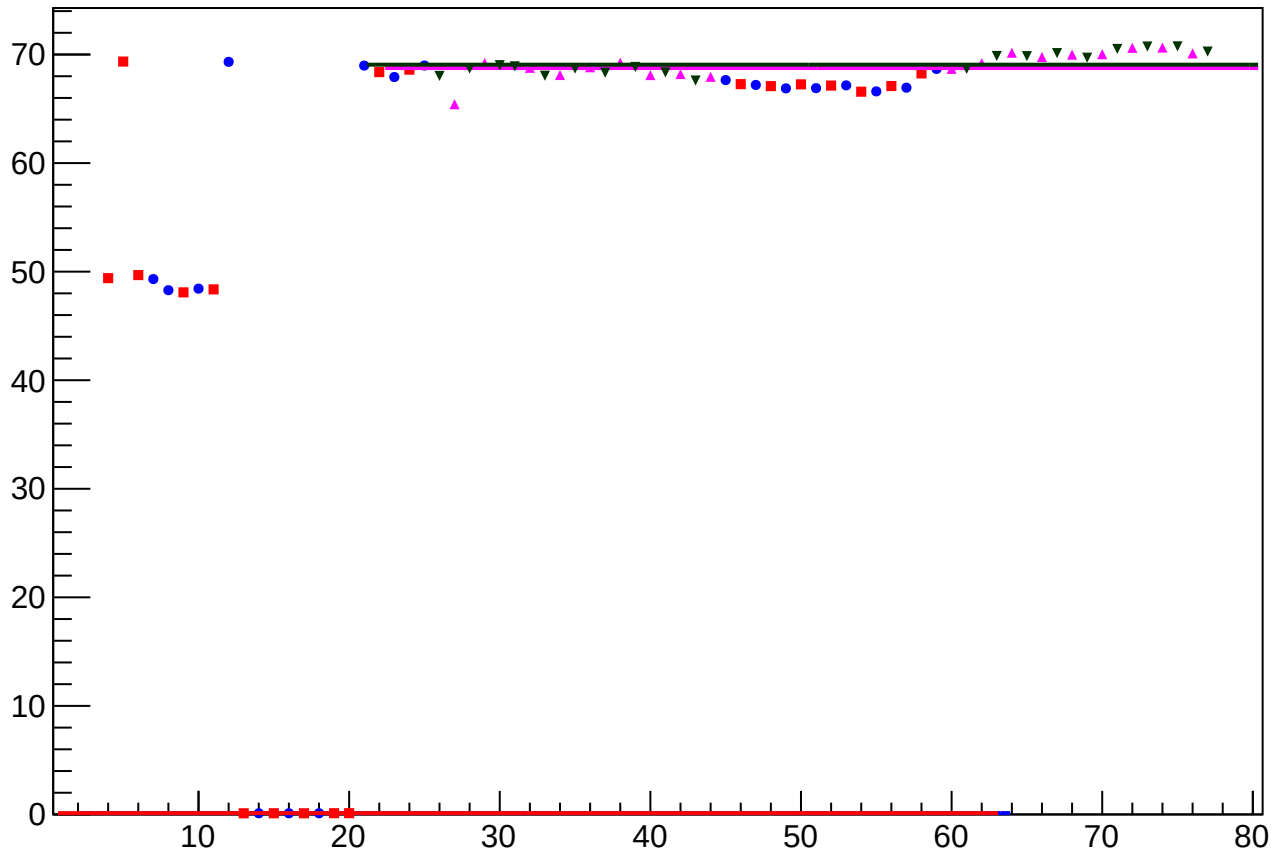
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

Left In: 0.204+/-0.000 χ^2/NDF : 386882.1/17

0.001+/-0.000 χ^2/NDF : 36345379.4/36

0.001+/-0.000 χ^2/NDF : 33625894.0/36

yield_bcm_an_us_mean vs slug



Right In: 0.126+/-0.000 χ^2/NDF : 1070197088852.4/17

Left Out: 69.063+/-0.000 χ^2/NDF : 214912718.3/18

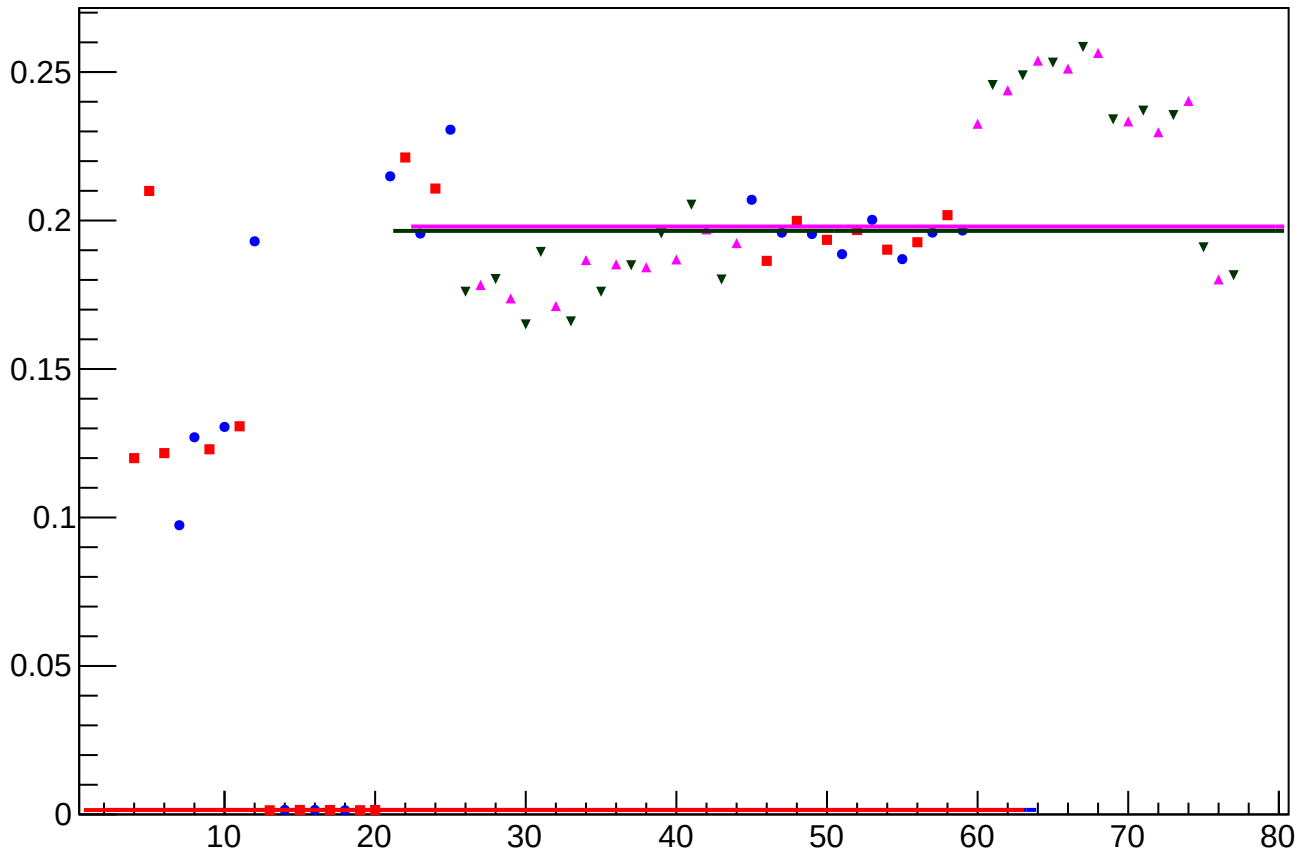
Right Out: 0.122+/-0.000 χ^2/NDF : 876428994690.6/18

Left In: 68.754+/-0.000 χ^2/NDF : 463492249.4/17

0.142+/-0.000 χ^2/NDF : 2232035749843.5/36

0.135+/-0.000 χ^2/NDF : 2056462212331.5/36

yield_bcm_an_us_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 16922209.8/17

Left Out: 0.197 $\pm$ 0.000 χ^2 /NDF:403256.4/18

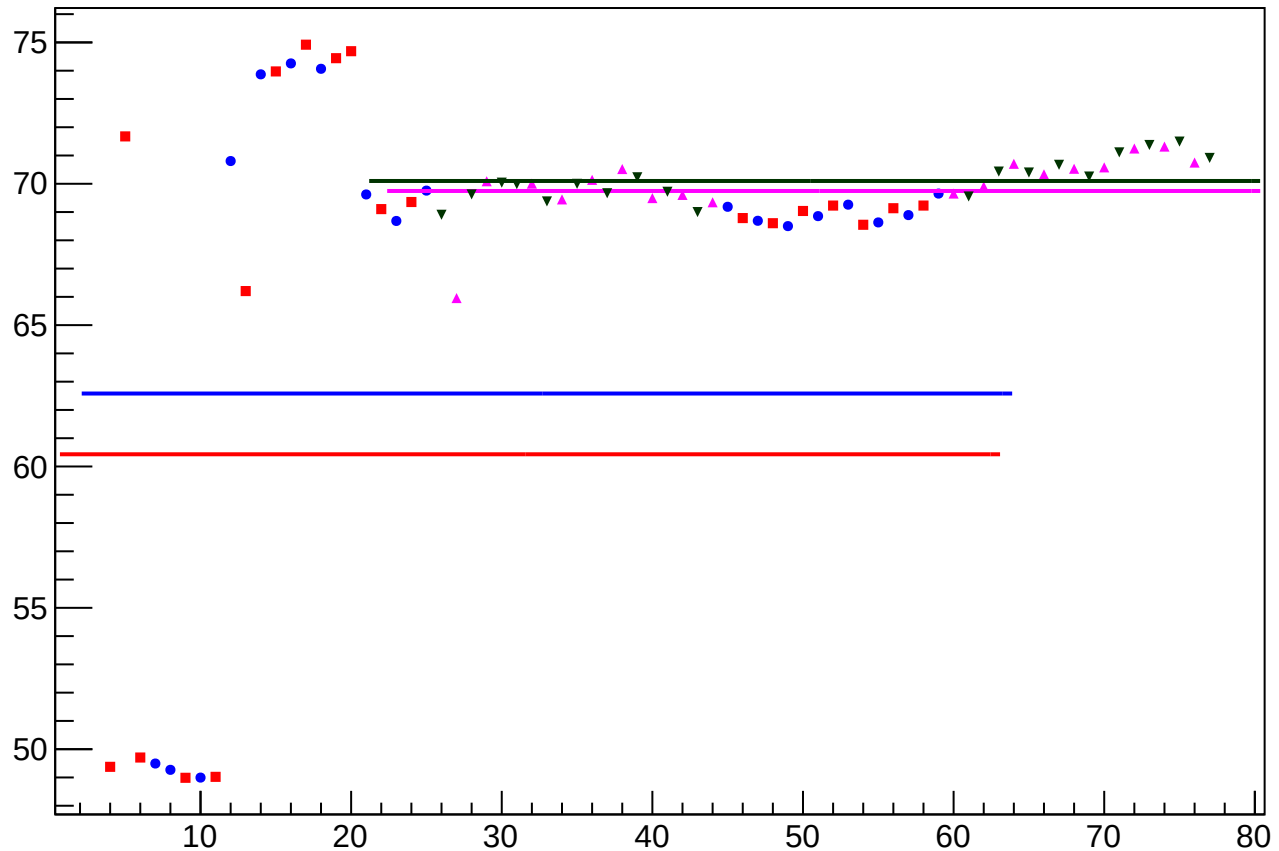
0.002 $\pm$ 0.000 χ^2 /NDF: 35909848.5/36

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 13535654.6/18

0.002 $\pm$ 0.000 χ^2 /NDF: 33276112.9/36

Left In: 0.198 $\pm$ 0.000 χ^2 /NDF:401700.6/17

yield_bcm_dg_us_mean vs slug



Right In: 62.581 $\pm$ 0.000 χ^2/NDF : 33681231971.4/17

Left Out: 70.099 $\pm$ 0.000 χ^2/NDF : 116632238.1/18

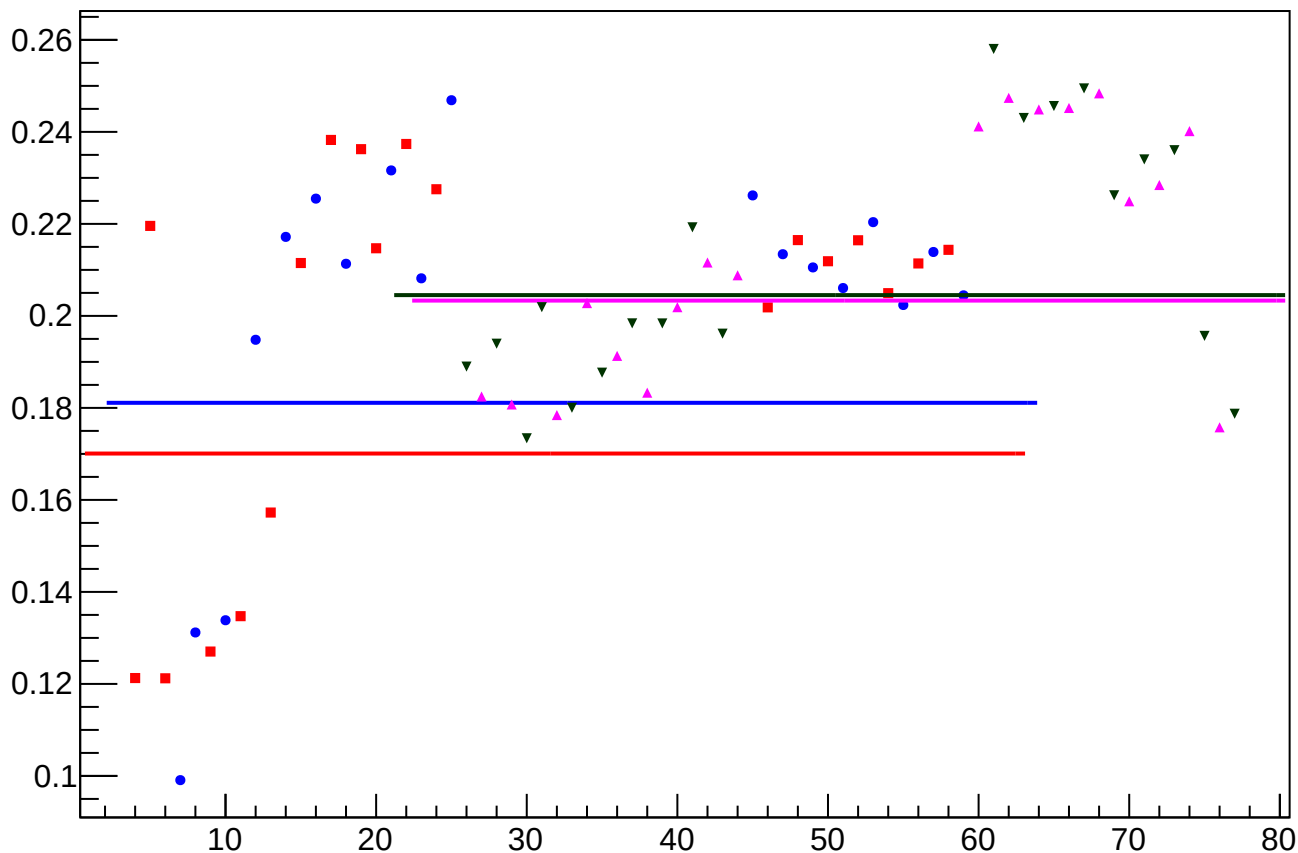
65.741 $\pm$ 0.000 χ^2/NDF : 41254955944.9/36

Right Out: 60.432 $\pm$ 0.000 χ^2/NDF : 32977972131.8/18

64.502 $\pm$ 0.000 χ^2/NDF : 45039461459.5/36

Left In: 69.745 $\pm$ 0.000 χ^2/NDF : 450781567.1/17

yield_bcm_dg_us_rms vs slug



Right In: 0.181+/-0.000 χ^2/NDF : 1216212.6/17

Left Out: 0.205+/-0.000 χ^2/NDF : 269648.4/18

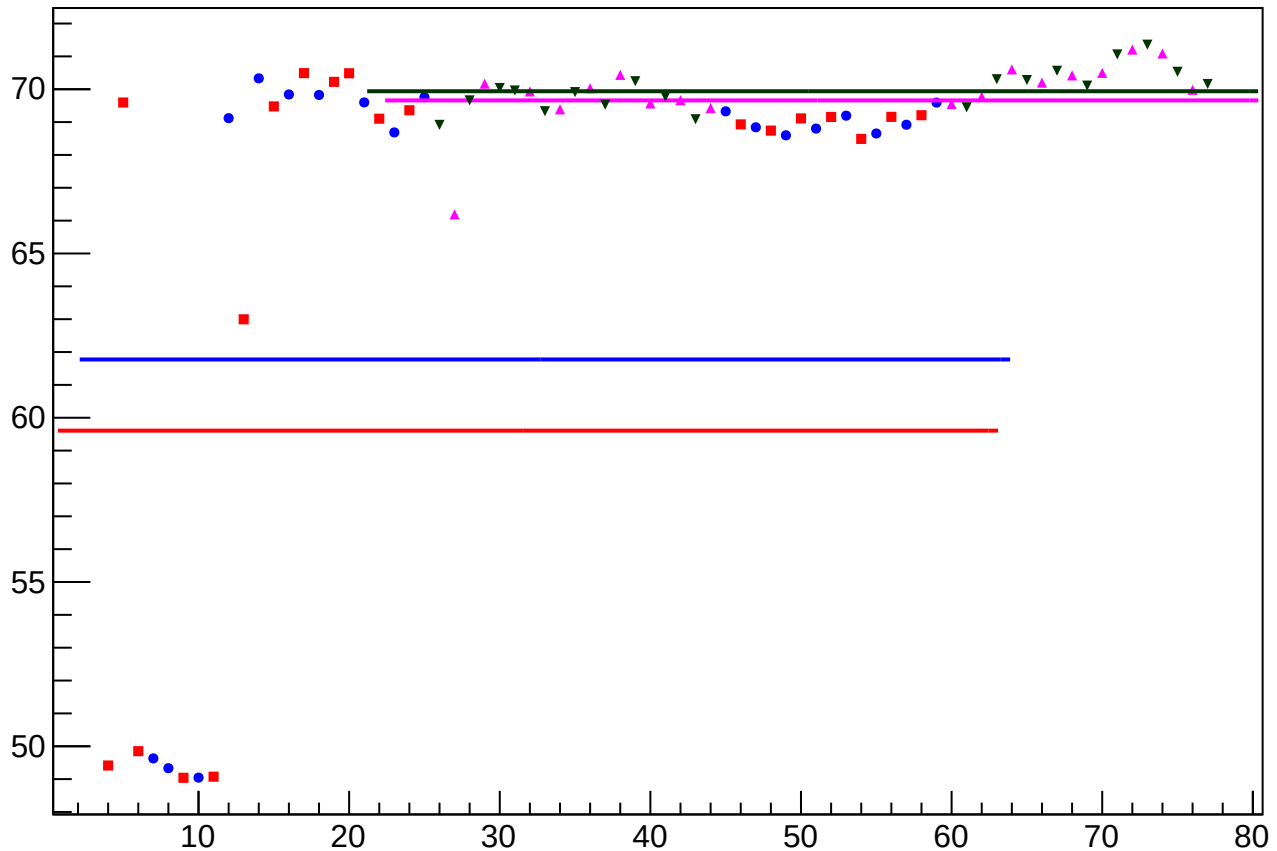
0.191+/-0.000 χ^2/NDF : 1630479.9/36

Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

0.185+/-0.000 χ^2/NDF : 1798366.2/36

Left In: 0.203+/-0.000 χ^2/NDF : 318838.7/17

yield_bcm_dg_ds_mean vs slug



Right In: 61.774+/-0.000 χ^2/NDF : 30968593880.6/17

Left Out: 69.939+/-0.000 χ^2/NDF : 77429126.9/18

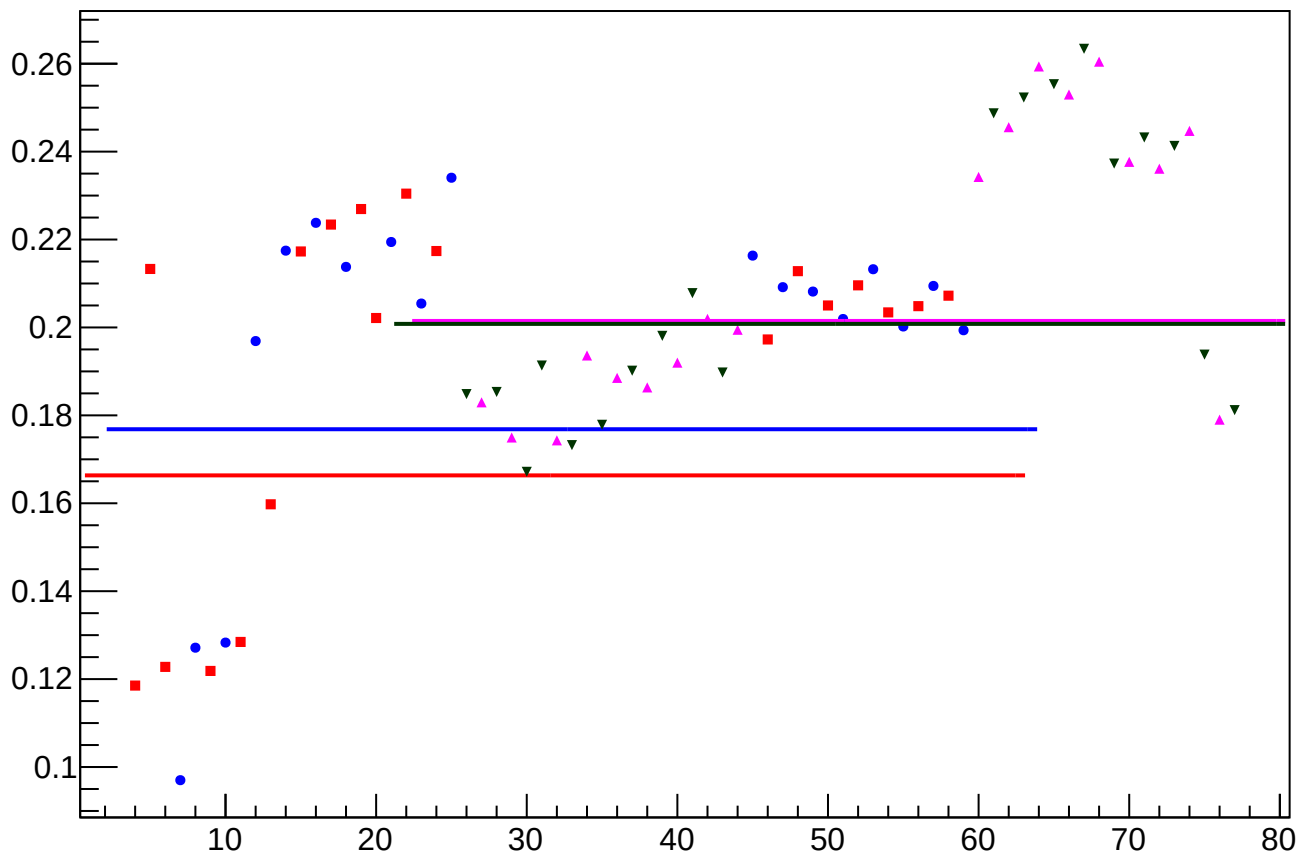
Right Out: 59.608+/-0.000 χ^2/NDF : 29547406430.8/18

Left In: 69.660+/-0.000 χ^2/NDF : 371798365.6/17

65.176+/-0.000 χ^2/NDF : 40172463212.3/36

63.930+/-0.000 χ^2/NDF : 43845890320.0/36

yield_bcm_dg_ds_rms vs slug



Right In: 0.177+/-0.000 χ^2/NDF : 1276663.3/17

Left Out: 0.201+/-0.000 χ^2/NDF : 385437.7/18

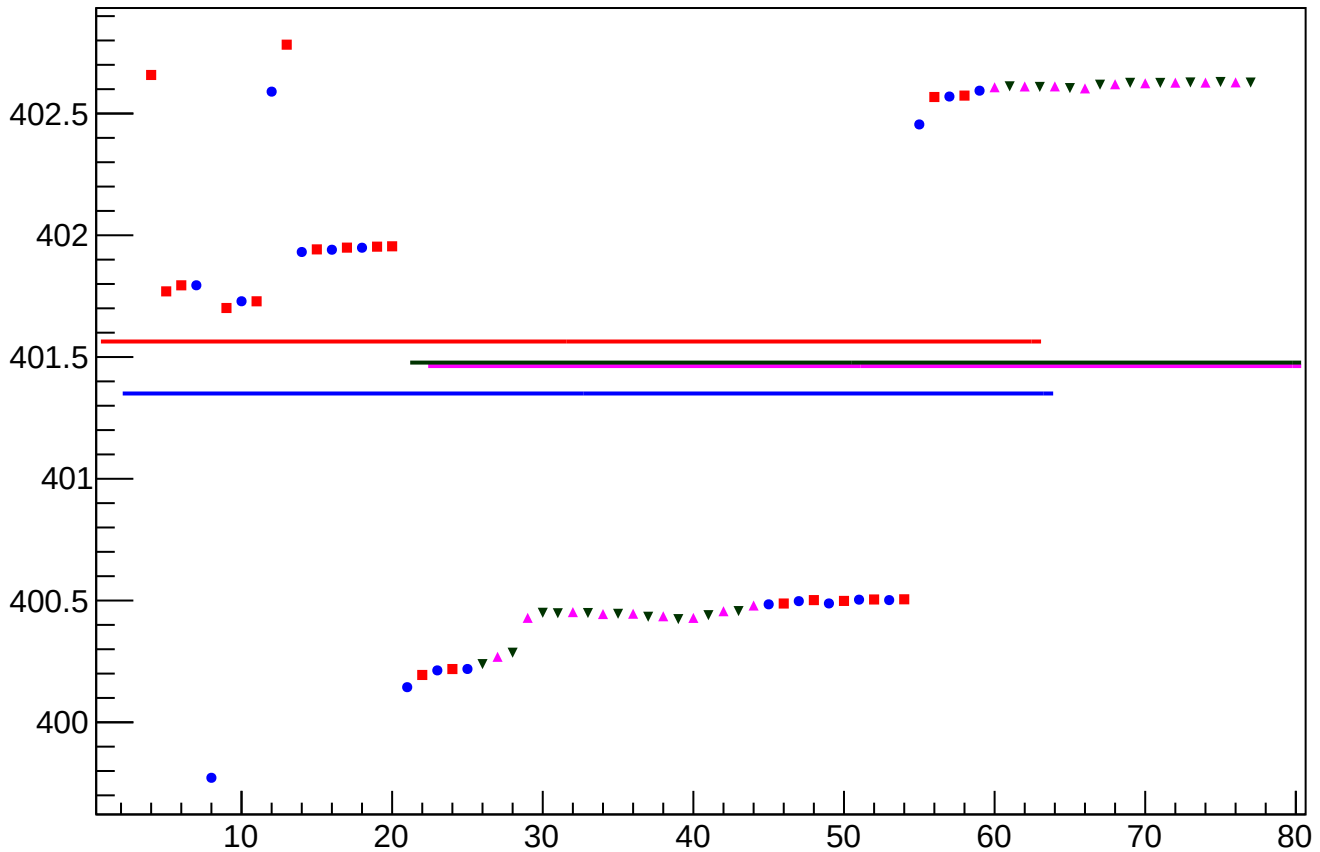
Right Out: 0.166+/-0.000 χ^2/NDF : 1156468.8/18

Left In: 0.201+/-0.000 χ^2/NDF : 401895.2/17

0.187+/-0.000 χ^2/NDF : 1819399.8/36

0.181+/-0.000 χ^2/NDF : 1898576.4/36

yield_cav4bQ_mean vs slug



Right In: 401.350+/-0.000 χ^2/NDF : 235093599906.3/17

Left Out: 401.477+/-0.000 χ^2/NDF : 276246907537.4/18

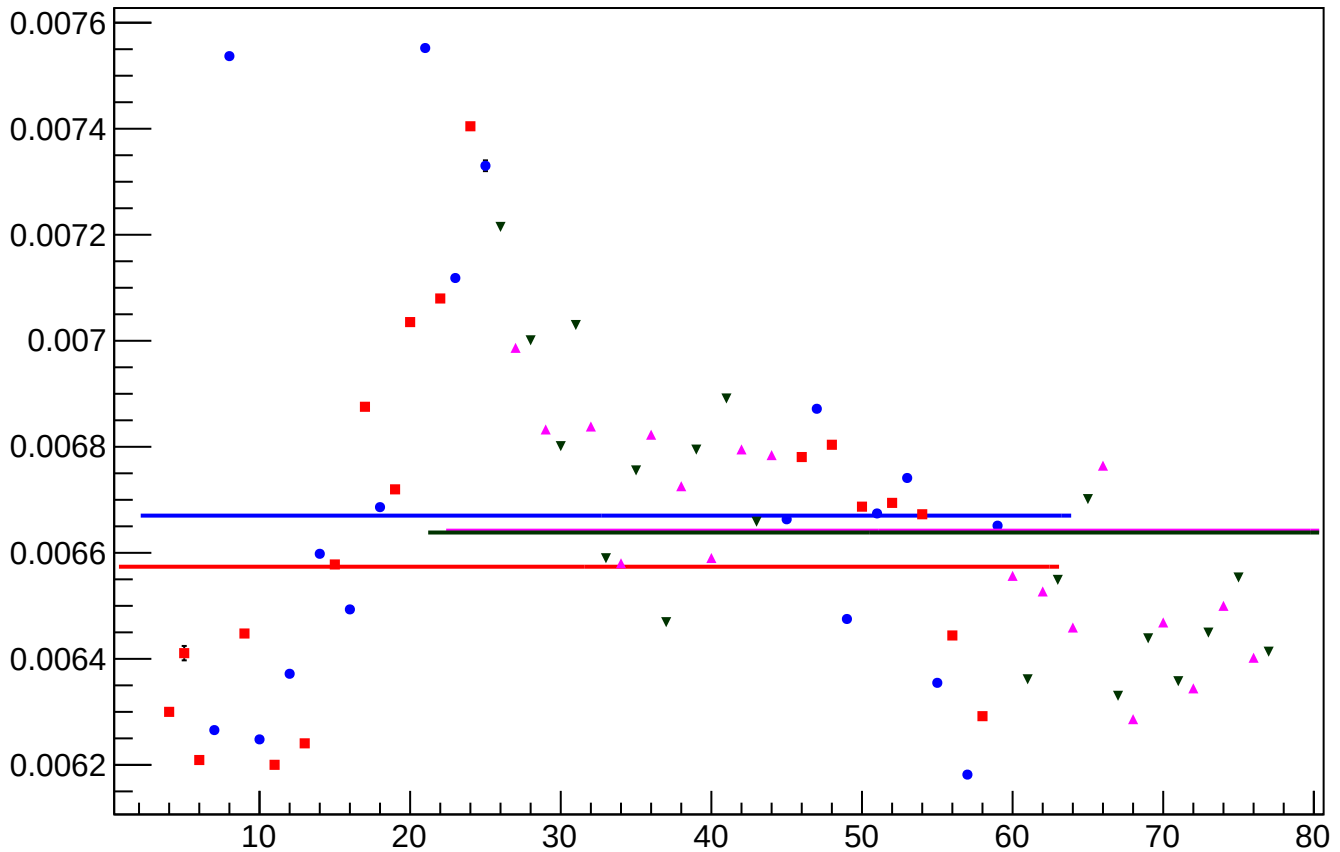
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.463+/-0.000 χ^2/NDF : 280781396561.4/17

401.410+/-0.000 χ^2/NDF : 513253678466.7/36

401.513+/-0.000 χ^2/NDF : 465933523011.7/36

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 76682.3/17

Left Out: 0.007+/-0.000 χ^2/NDF : 26350.5/18

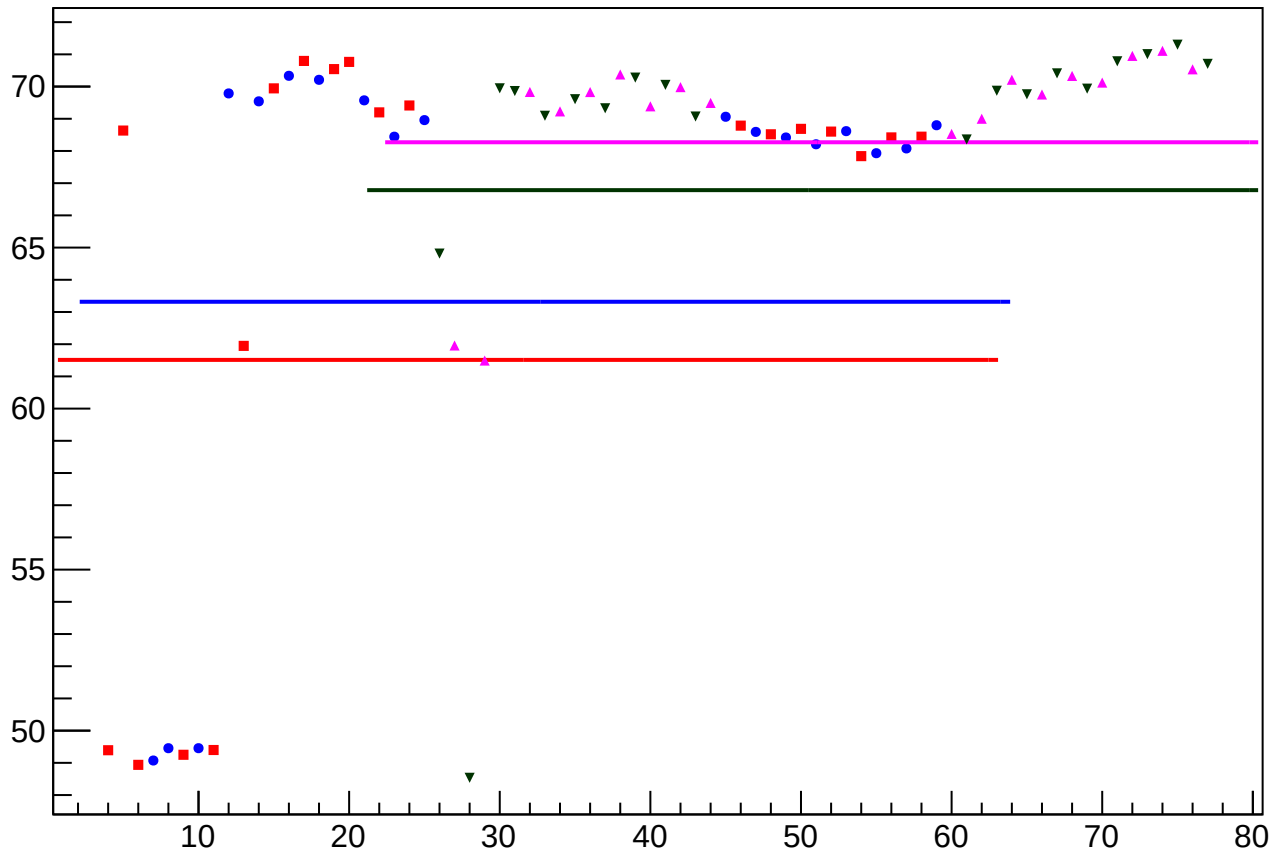
Right Out: 0.007+/-0.000 χ^2/NDF : 47681.9/18

Left In: 0.007+/-0.000 χ^2/NDF : 18631.5/17

0.007+/-0.000 χ^2/NDF : 103274.1/36

0.007+/-0.000 χ^2/NDF : 67385.1/36

yield_cav4cQ_mean vs slug



Right In: 63.318 ± 0.000 χ^2/NDF : 17047377048.9/17

Left Out: 66.784 ± 0.000 χ^2/NDF : 10328316284.5/18

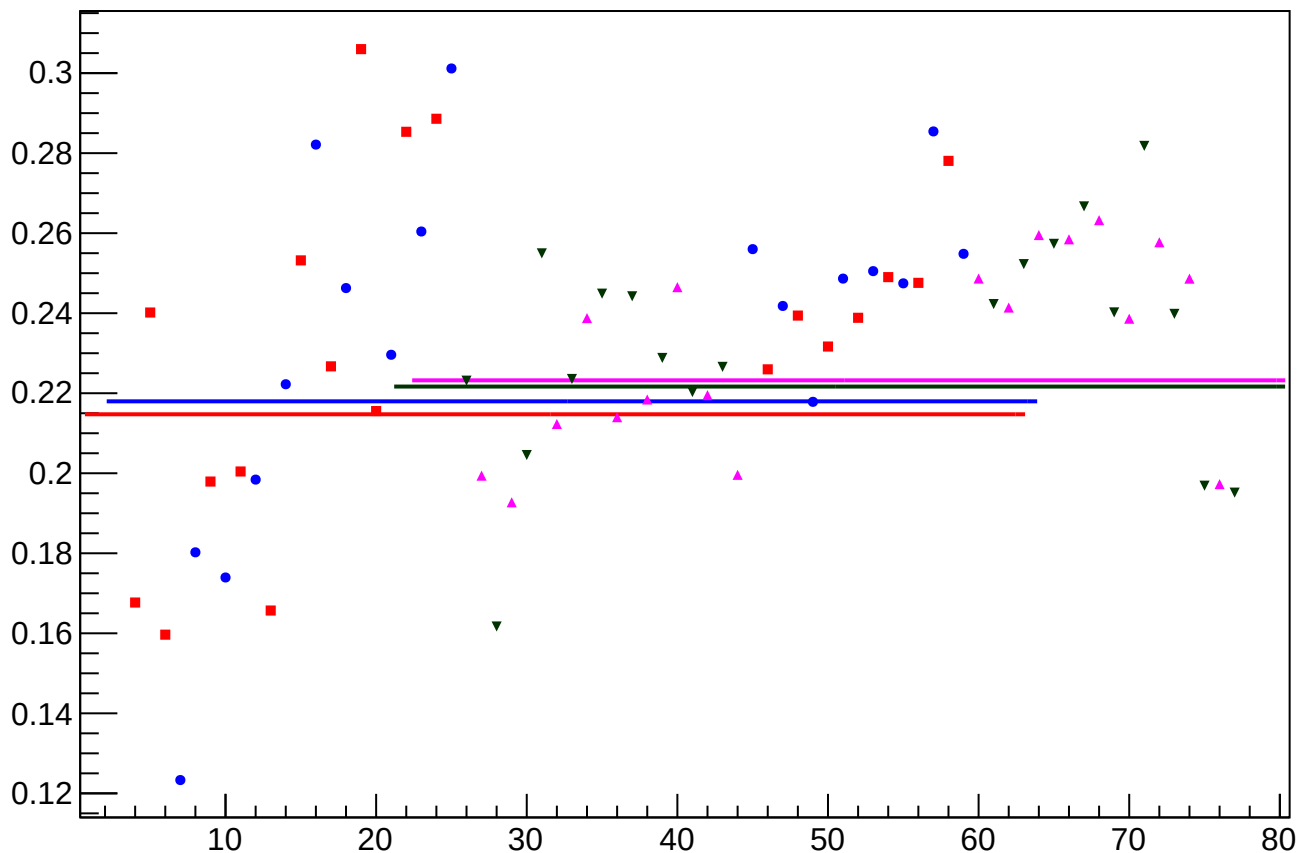
Right Out: 61.513 ± 0.000 χ^2/NDF : 15349624825.1/18

Left In: 68.270 ± 0.000 χ^2/NDF : 2115006634.6/17

64.938 ± 0.000 χ^2/NDF : 28563075659.3/36

64.934 ± 0.000 χ^2/NDF : 21771669699.8/36

yield_cav4cQ_rms vs slug



Right In: 0.218+/-0.000 χ^2/NDF : 734629.1/17

Left Out: 0.222+/-0.000 χ^2/NDF : 386287.8/18

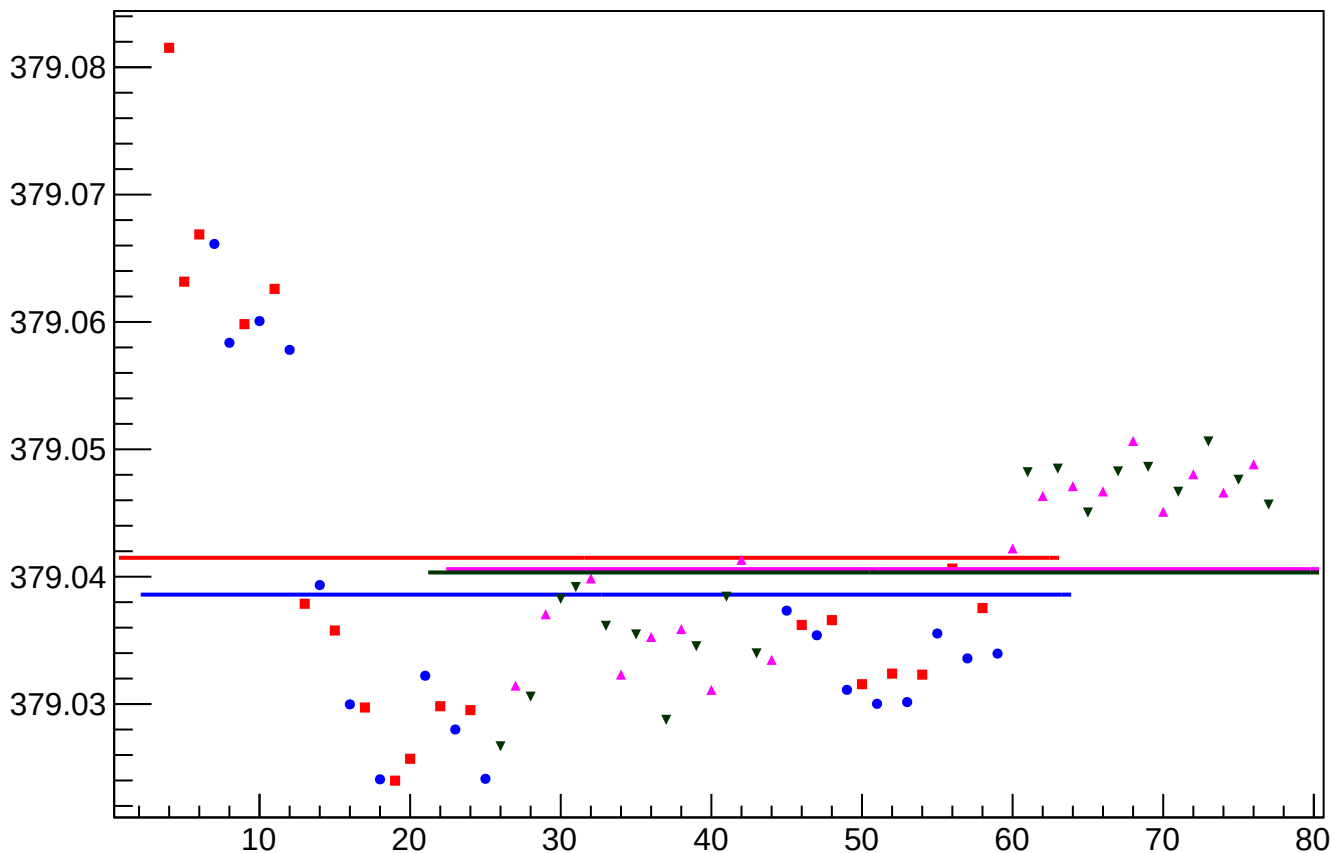
Right Out: 0.215+/-0.000 χ^2/NDF : 631176.3/18

Left In: 0.223+/-0.000 χ^2/NDF : 218334.7/17

0.220+/-0.000 χ^2/NDF : 1123615.8/36

0.219+/-0.000 χ^2/NDF : 863099.1/36

yield_cav4dQ_mean vs slug



Right In: 379.039+/-0.000 χ^2/NDF : 33775812.8/17

Left Out: 379.040+/-0.000 χ^2/NDF :11889187.6/18

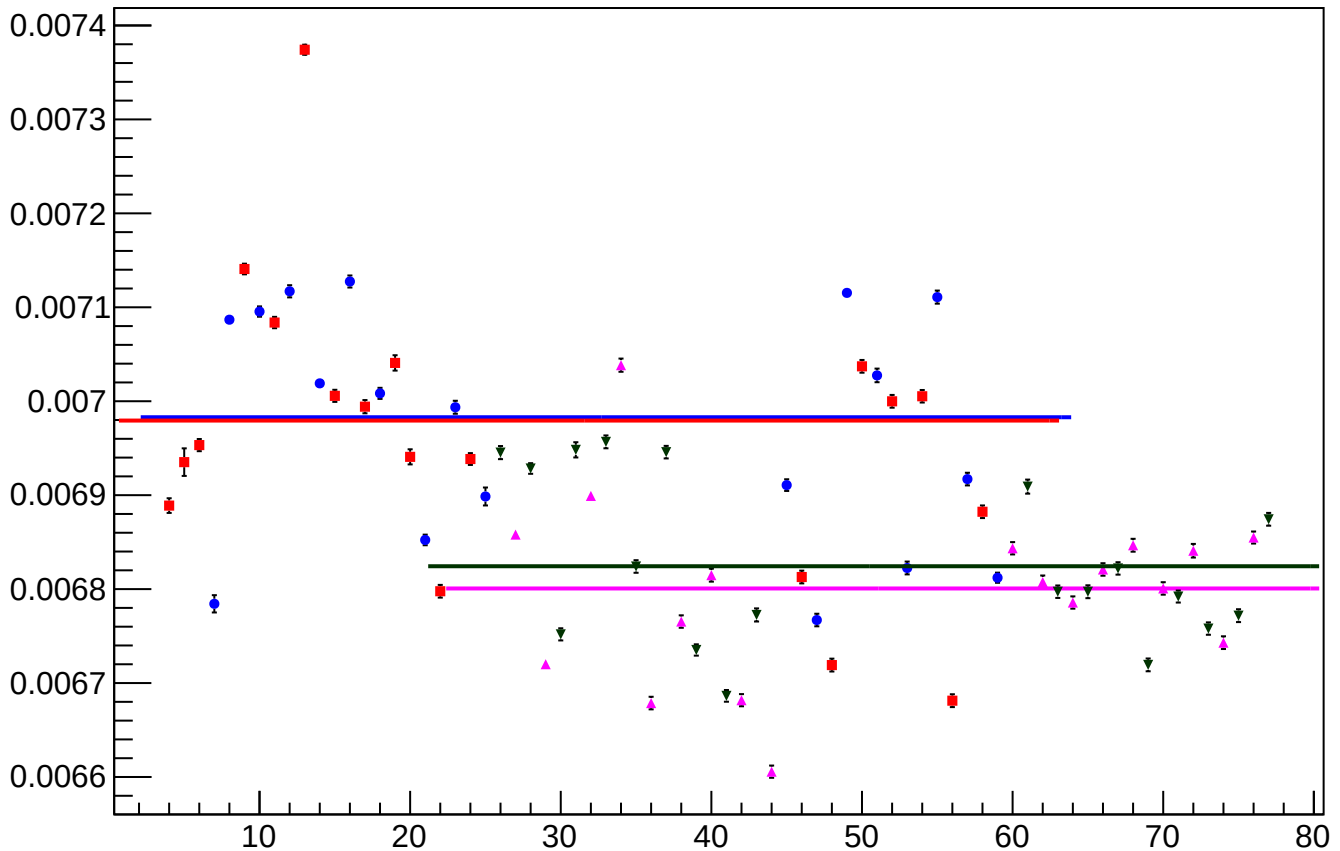
379.039+/-0.000 χ^2/NDF : 46000415.4/36

Right Out: 379.041+/-0.000 χ^2/NDF : 46280794.1/18

379.041+/-0.000 χ^2/NDF : 55283573.1/36

Left In: 379.041+/-0.000 χ^2/NDF :8918030.7/17

yield_cav4dQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 6696.3/17

Left Out: 0.007+/-0.000 χ^2/NDF :3097.8/18

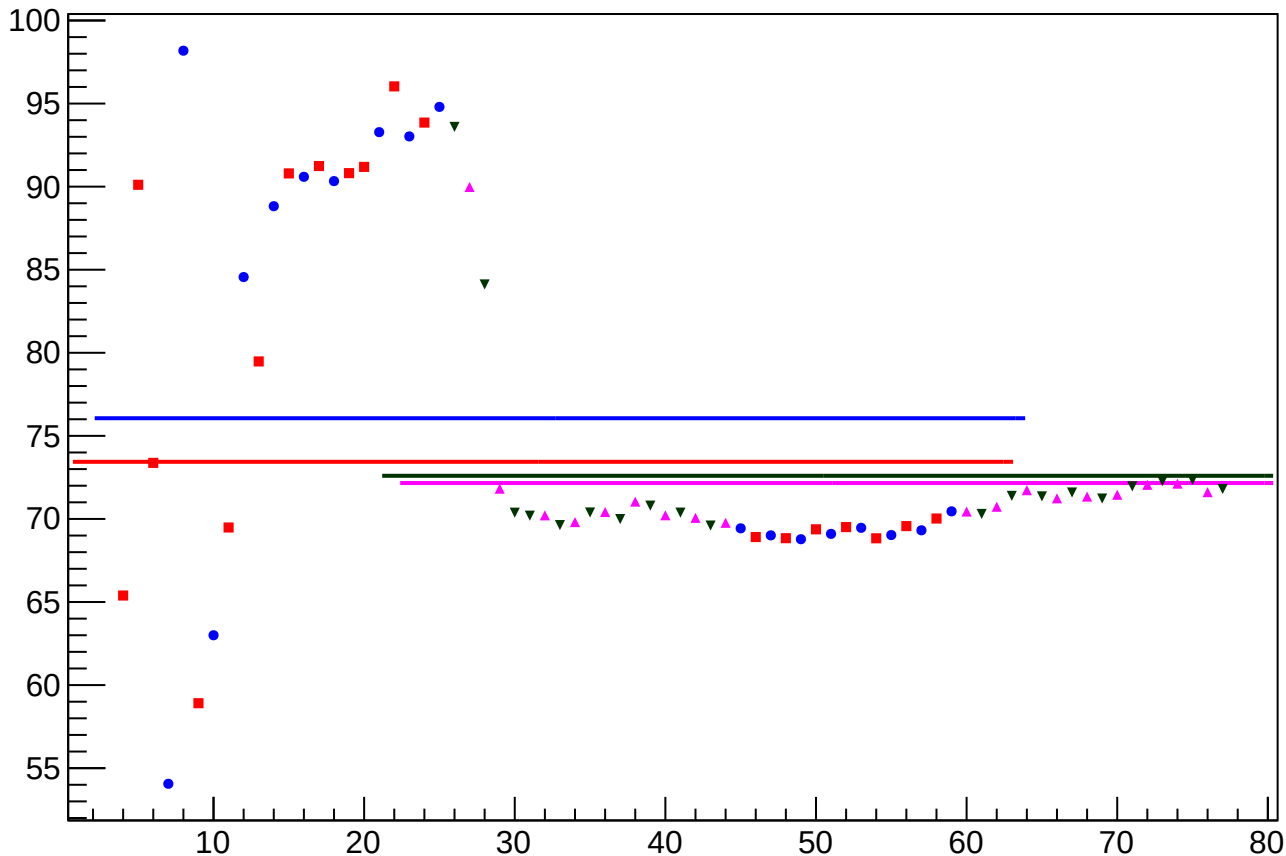
0.007+/-0.000 χ^2/NDF : 15380.7/36

Right Out: 0.007+/-0.000 χ^2/NDF : 11747.2/18

0.007+/-0.000 χ^2/NDF : 22312.7/36

Left In: 0.007+/-0.000 χ^2/NDF :3744.5/17

yield_bcm0l02_mean vs slug



Right In: 76.061 $\pm$ 0.000 χ^2 /NDF: 20787602024.2/17

Left Out: 72.597 $\pm$ 0.000 χ^2 /NDF:3819746370.5/18

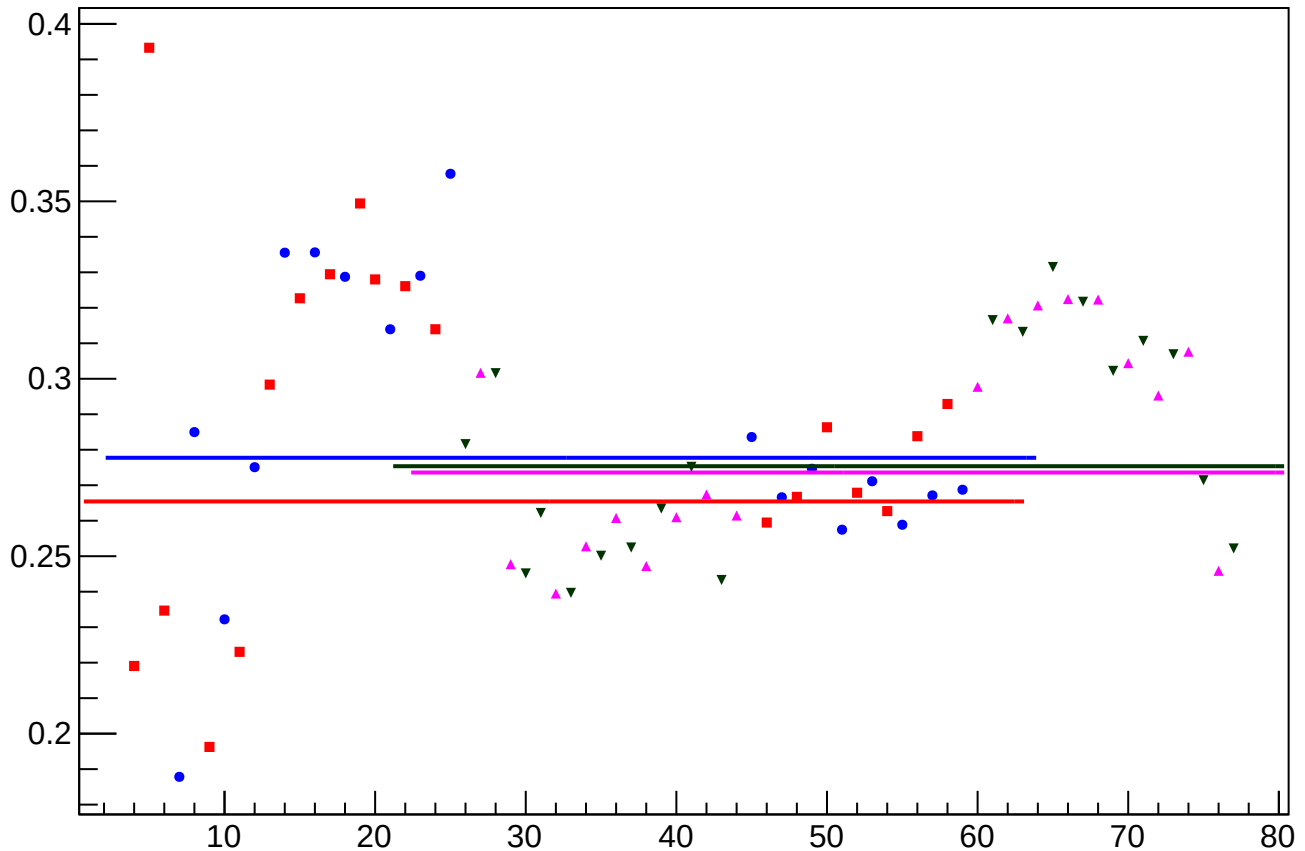
Right Out: 73.439 $\pm$ 0.000 χ^2 /NDF: 14741427319.0/18

Left In: 72.162 $\pm$ 0.000 χ^2 /NDF:2986698620.0/17

74.402 $\pm$ 0.000 χ^2 /NDF: 25368978082.6/36

72.790 $\pm$ 0.000 χ^2 /NDF: 17831482230.9/36

yield_bcm0l02_rms vs slug



Right In: 0.278+/-0.000 χ^2/NDF : 370245.0/17

Left Out: 0.275+/-0.000 χ^2/NDF : 201988.3/18

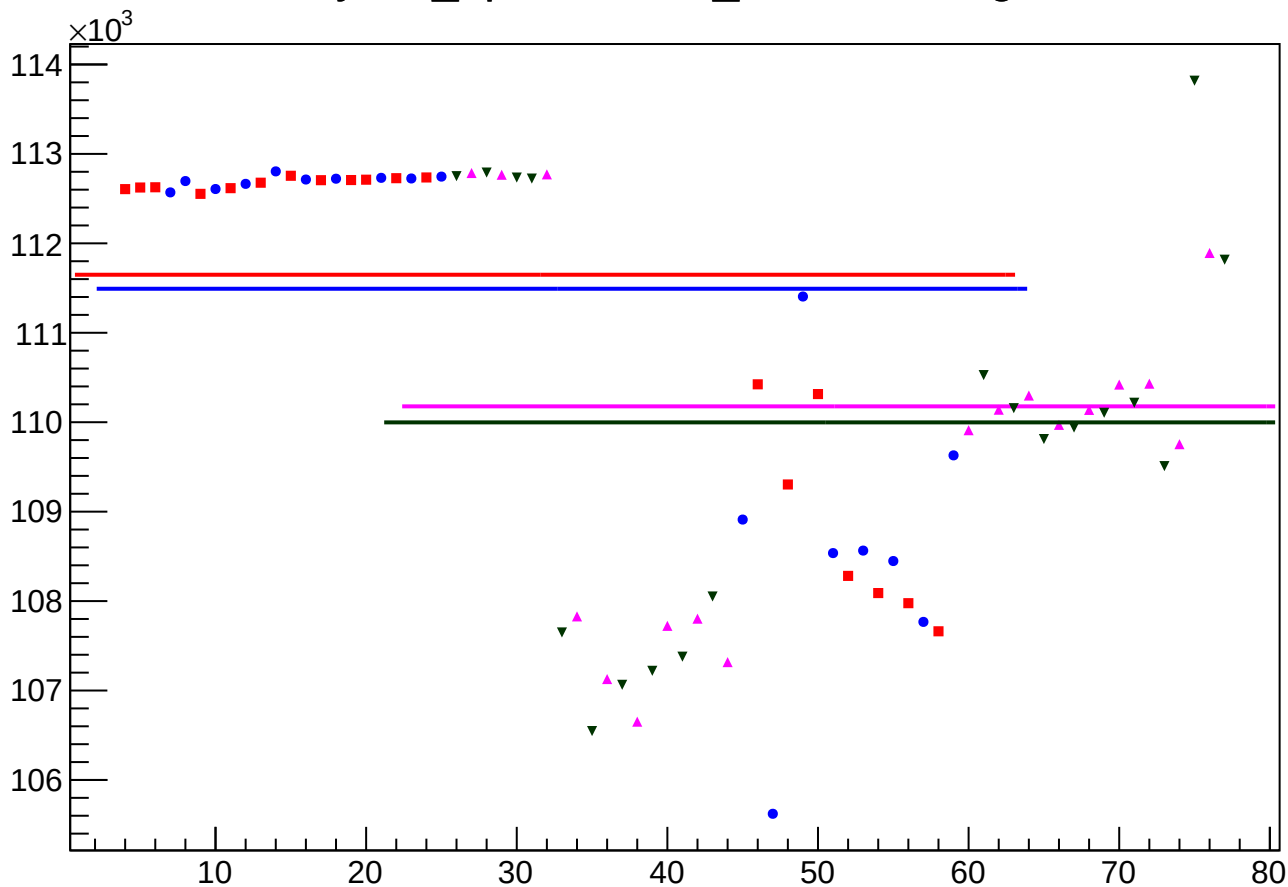
0.277+/-0.000 χ^2/NDF : 572950.9/36

Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

0.270+/-0.000 χ^2/NDF : 734509.7/36

Left In: 0.274+/-0.000 χ^2/NDF : 222506.0/17

yield_bpm2i01WS_mean vs slug



Right In: 111492.185 $\pm$ 0.035 χ^2 /NDF: 3171680490.6/17

Left Out: 109998.143 $\pm$ 0.041 χ^2 /NDF:3107664855.6/18

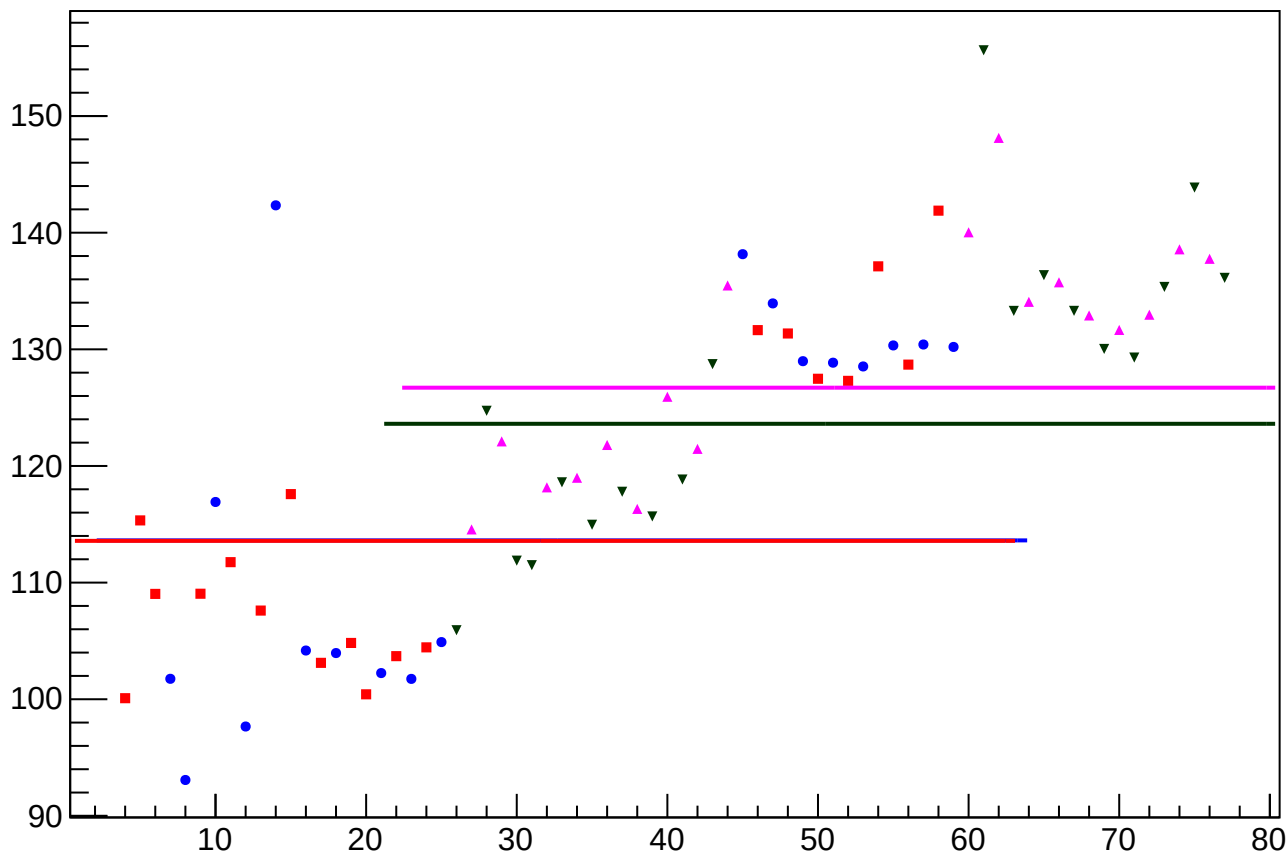
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110177.275 $\pm$ 0.041 χ^2 /NDF:2689190475.9/17

110870.329 $\pm$ 0.027 χ^2 /NDF: 7040279941.6/30

110989.796 $\pm$ 0.028 χ^2 /NDF: 5687438797.2/30

yield_bpm2i01WS_rms vs slug



Right In: 113.620 $\pm$ 0.025 χ^2 /NDF: 422351.8/17

Left Out: 123.615 $\pm$ 0.029 χ^2 /NDF:139966.0/18

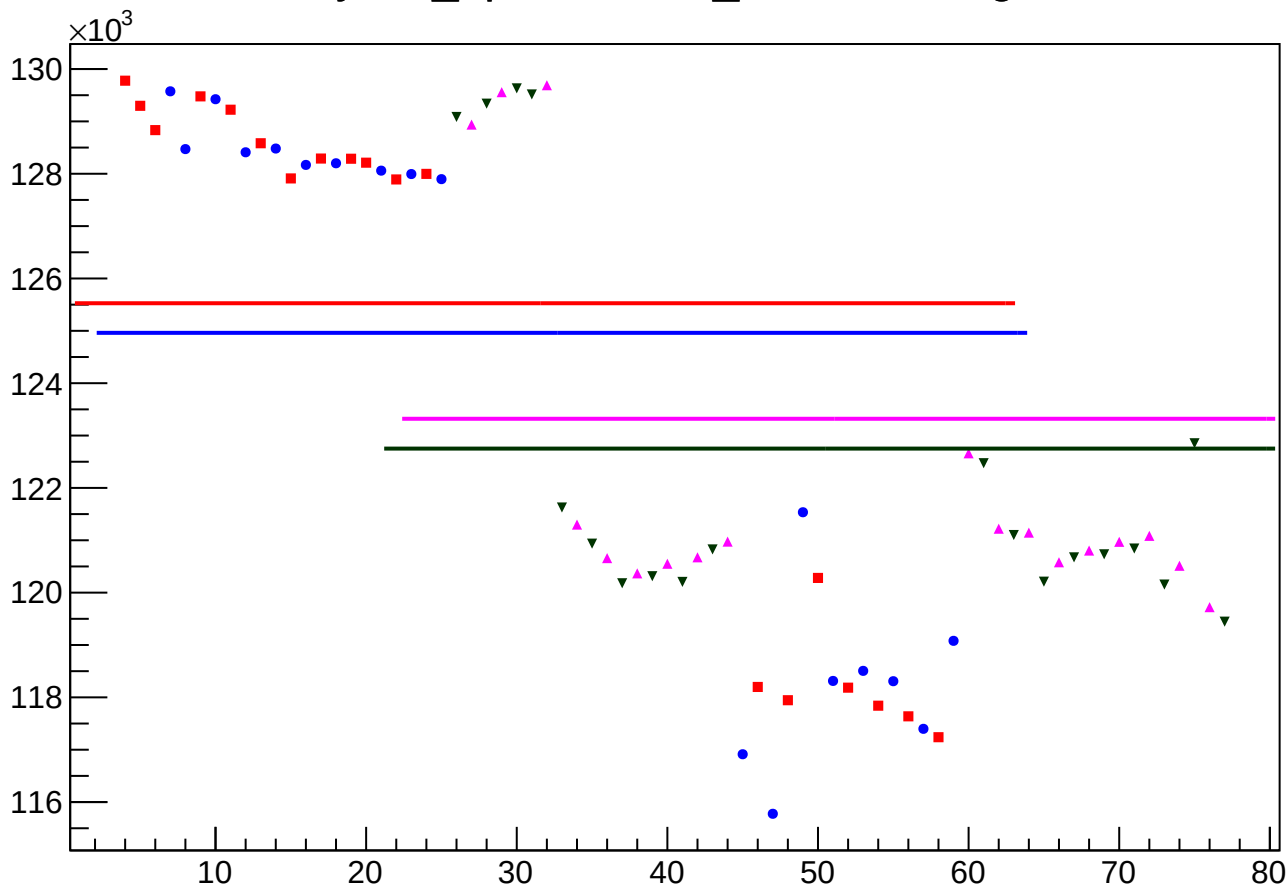
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 126.711 $\pm$ 0.029 χ^2 /NDF:96909.7/17

117.780 $\pm$ 0.019 χ^2 /NDF: 630441.7/36

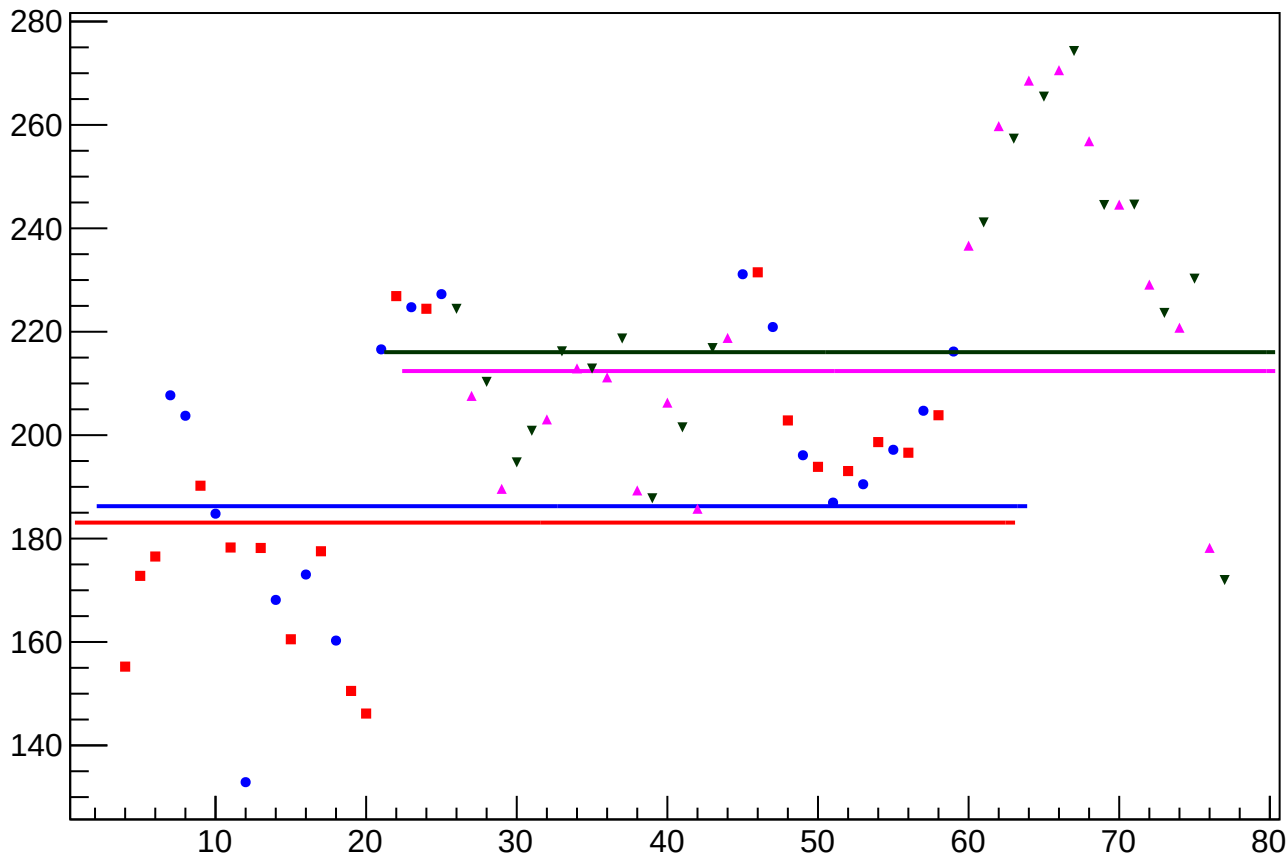
119.461 $\pm$ 0.020 χ^2 /NDF: 415128.1/36

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057 χ^2 /NDF: 7216201458.1/17
 Left Out: 122750.990 $\pm$ 0.070 χ^2 /NDF: 2933697065.0/18
 Right Out: 125527.018 $\pm$ 0.060 χ^2 /NDF: 6545248421.9/18
 Left In: 123320.463 $\pm$ 0.067 χ^2 /NDF: 3485046343.5/17

yield_bpm0i07WS_rms vs slug



Right In: 186.263 $\pm$ 0.040 χ^2 /NDF: 462392.0/17

Left Out: 216.052 $\pm$ 0.050 χ^2 /NDF:269113.4/18

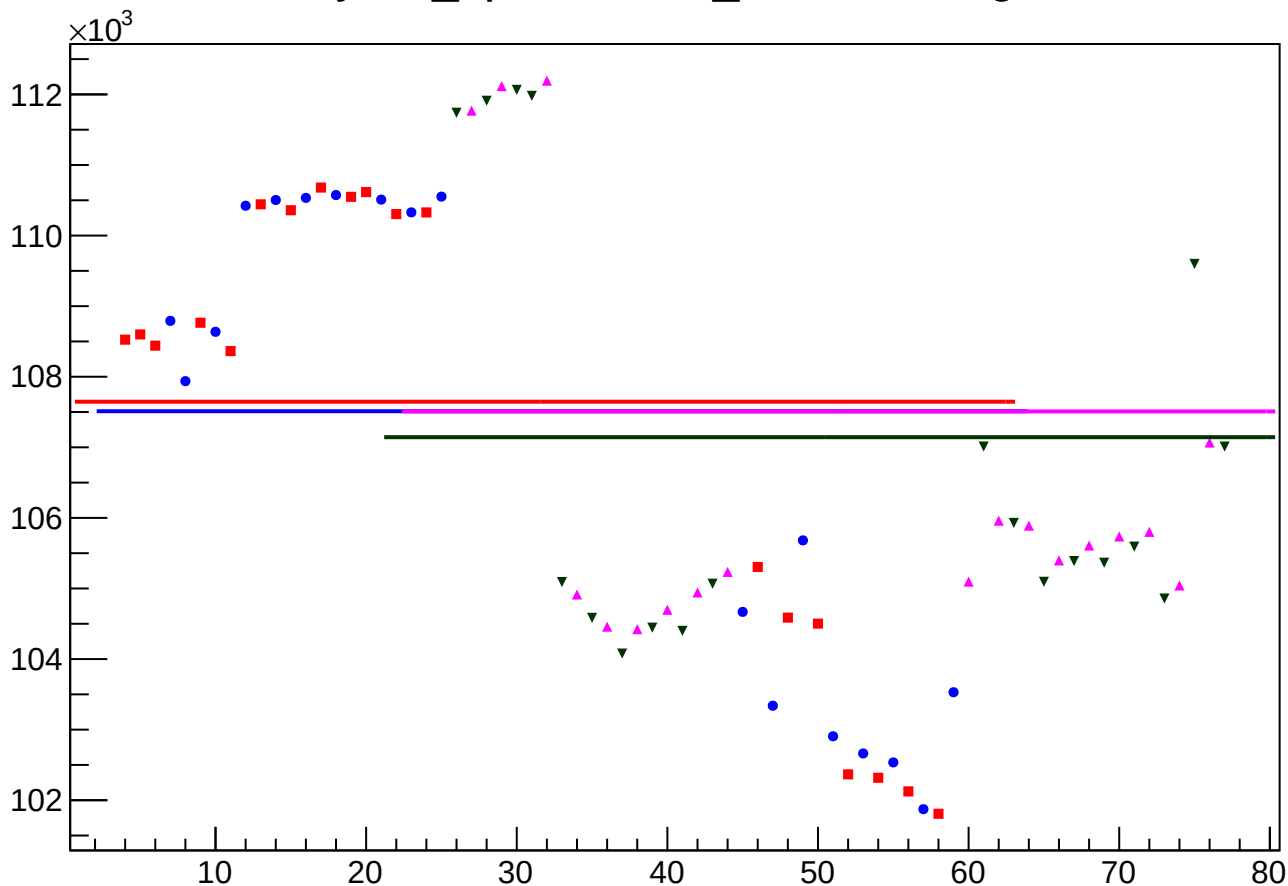
Right Out: 183.088 $\pm$ 0.042 χ^2 /NDF: 276420.3/18

Left In: 212.397 $\pm$ 0.048 χ^2 /NDF:296414.1/17

198.077 $\pm$ 0.031 χ^2 /NDF: 949776.5/36

195.957 $\pm$ 0.032 χ^2 /NDF: 785579.4/36

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037 χ^2 /NDF: 7545366390.6/17

Left Out: 107143.667 $\pm$ 0.041 χ^2 /NDF: 5906296215.1/18

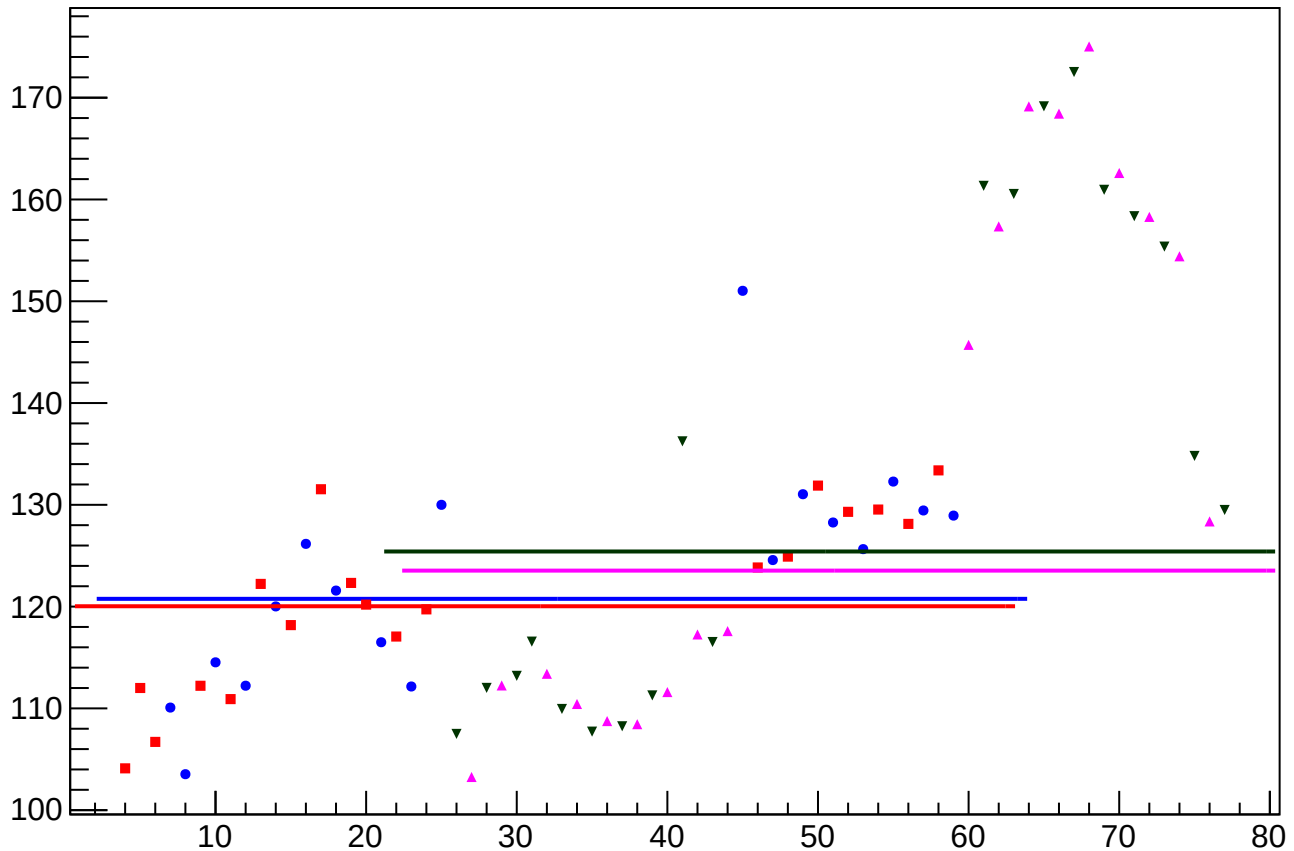
Right Out: 107646.372 $\pm$ 0.039 χ^2 /NDF: 6547636060.9/18

Left In: 107508.810 $\pm$ 0.040 χ^2 /NDF: 6819337004.3/17

107348.611 $\pm$ 0.027 χ^2 /NDF: 13496366952.9/3

107578.619 $\pm$ 0.028 χ^2 /NDF: 13373124995.1/3

yield_bpm0l01WS_rms vs slug



Right In: 120.763 ± 0.026 χ^2/NDF : 155732.1/17

Left Out: 125.415 ± 0.029 χ^2/NDF : 533235.3/18

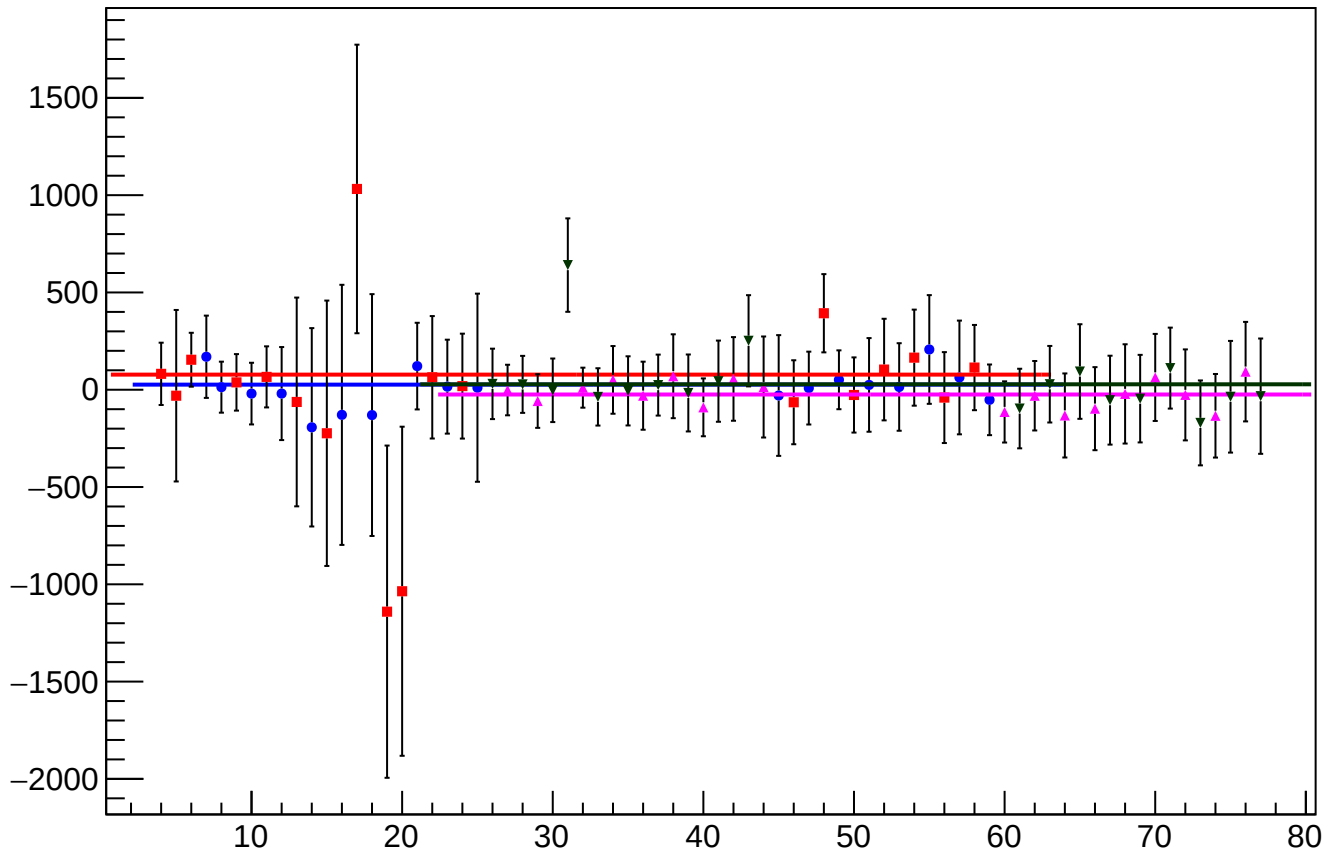
Right Out: 120.035 ± 0.028 χ^2/NDF : 93920.3/18

Left In: 123.536 ± 0.028 χ^2/NDF : 607723.8/17

122.822 ± 0.019 χ^2/NDF : 703274.6/36

121.759 ± 0.020 χ^2/NDF : 709616.5/36

asym_bcm_an_ds_mean vs slug



Right In: 26.246 ± 52.510 χ^2/NDF : 1.8/17

Left Out: 27.954 ± 45.159 χ^2/NDF : 9.5/18

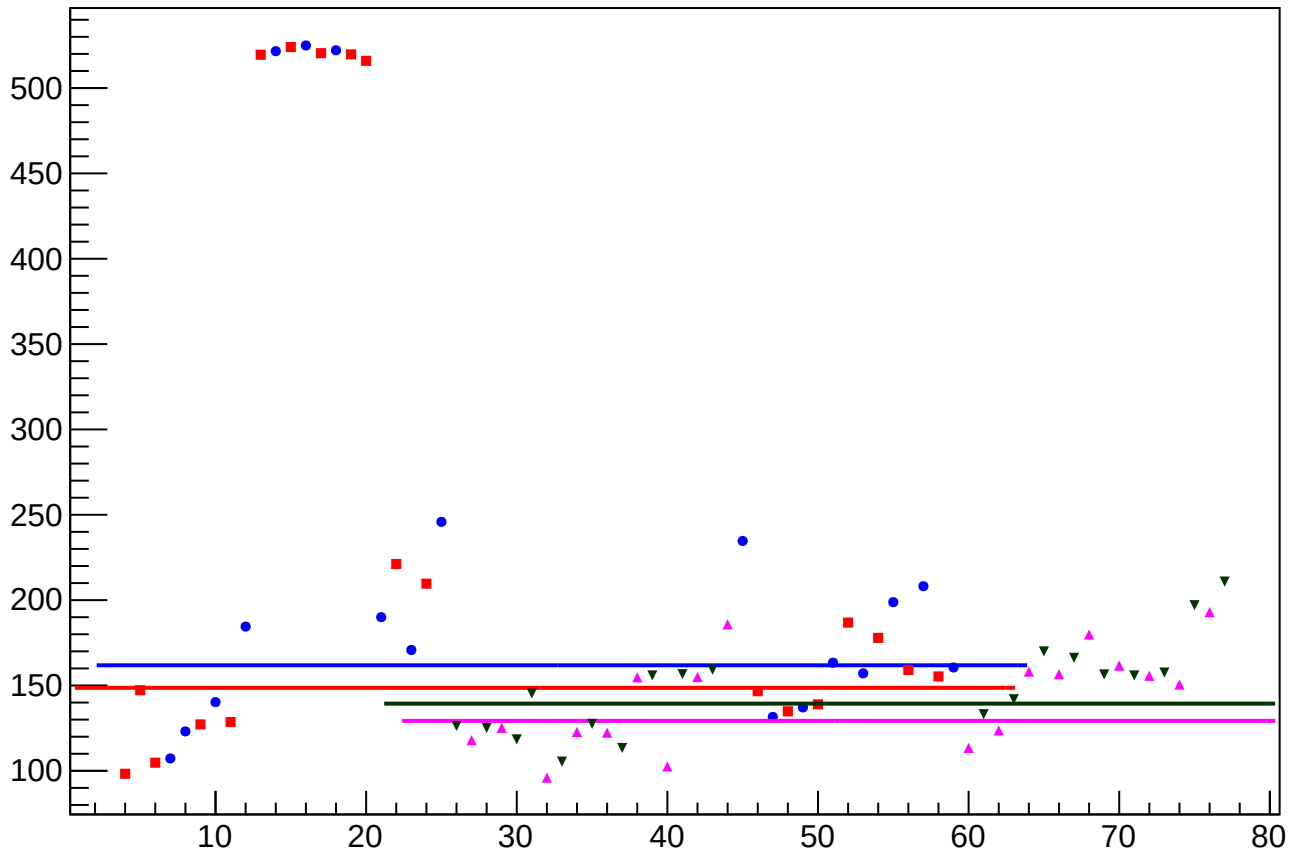
Right Out: 77.703 ± 52.586 χ^2/NDF : 9.8/18

Left In: -24.498 ± 41.479 χ^2/NDF : 2.3/17

27.228 ± 34.239 χ^2/NDF : 11.3/36

14.701 ± 32.567 χ^2/NDF : 14.4/36

asym_bcm_an_ds_rms vs slug



Right In: 161.835 ± 0.037 χ^2/NDF : 3018868.1/17

Left Out: 139.373 ± 0.032 χ^2/NDF : 572708.4/18

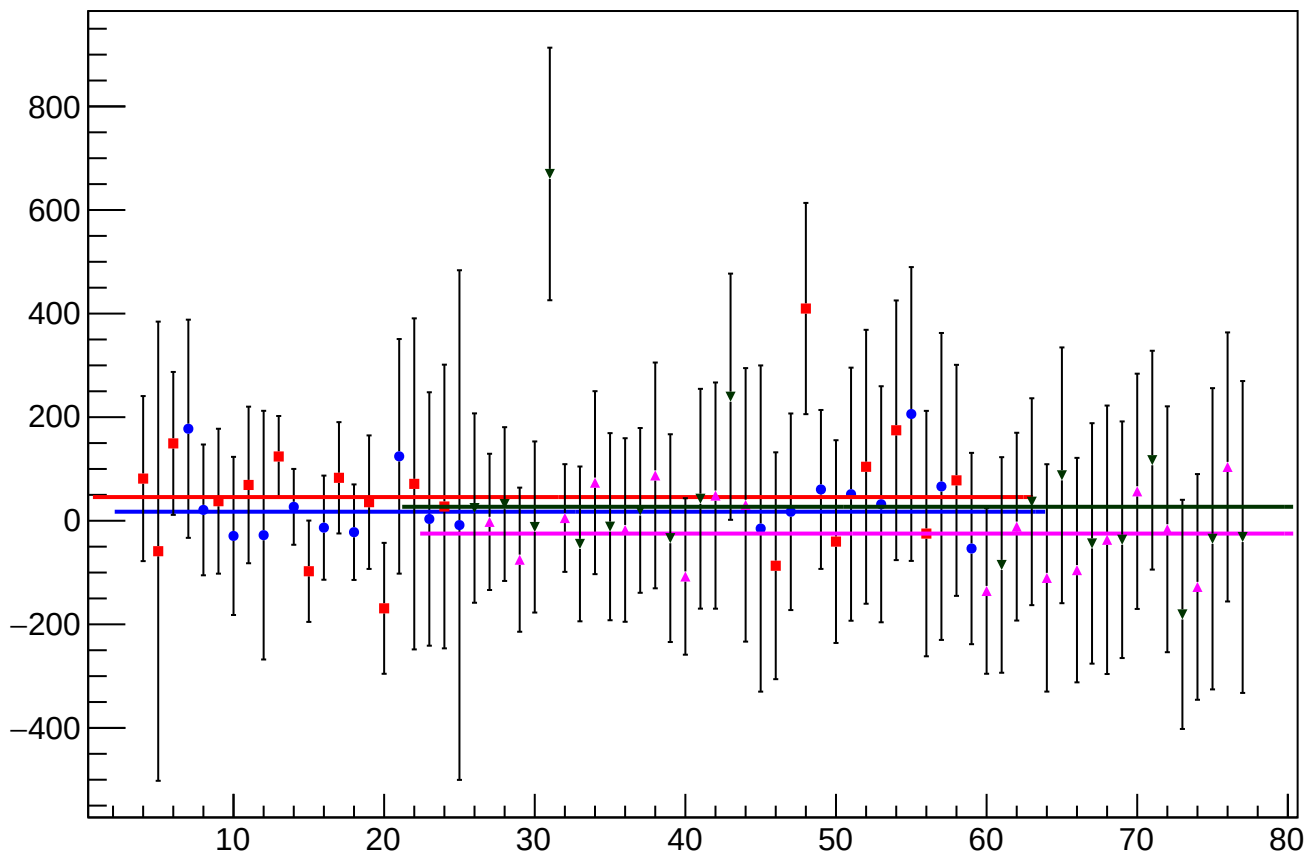
148.922 ± 0.024 χ^2/NDF : 3801945.6/36

Right Out: 148.646 ± 0.037 χ^2/NDF : 3594583.0/18

136.702 ± 0.023 χ^2/NDF : 4590405.0/36

Left In: 129.271 ± 0.029 χ^2/NDF : 828444.7/17

asym_bcm_an_ds3_mean vs slug



Right In: 17.458 $\pm$ 36.313 χ^2 /NDF: 2.0/17

Left Out: 26.976 $\pm$ 45.815 χ^2 /NDF:9.8/18

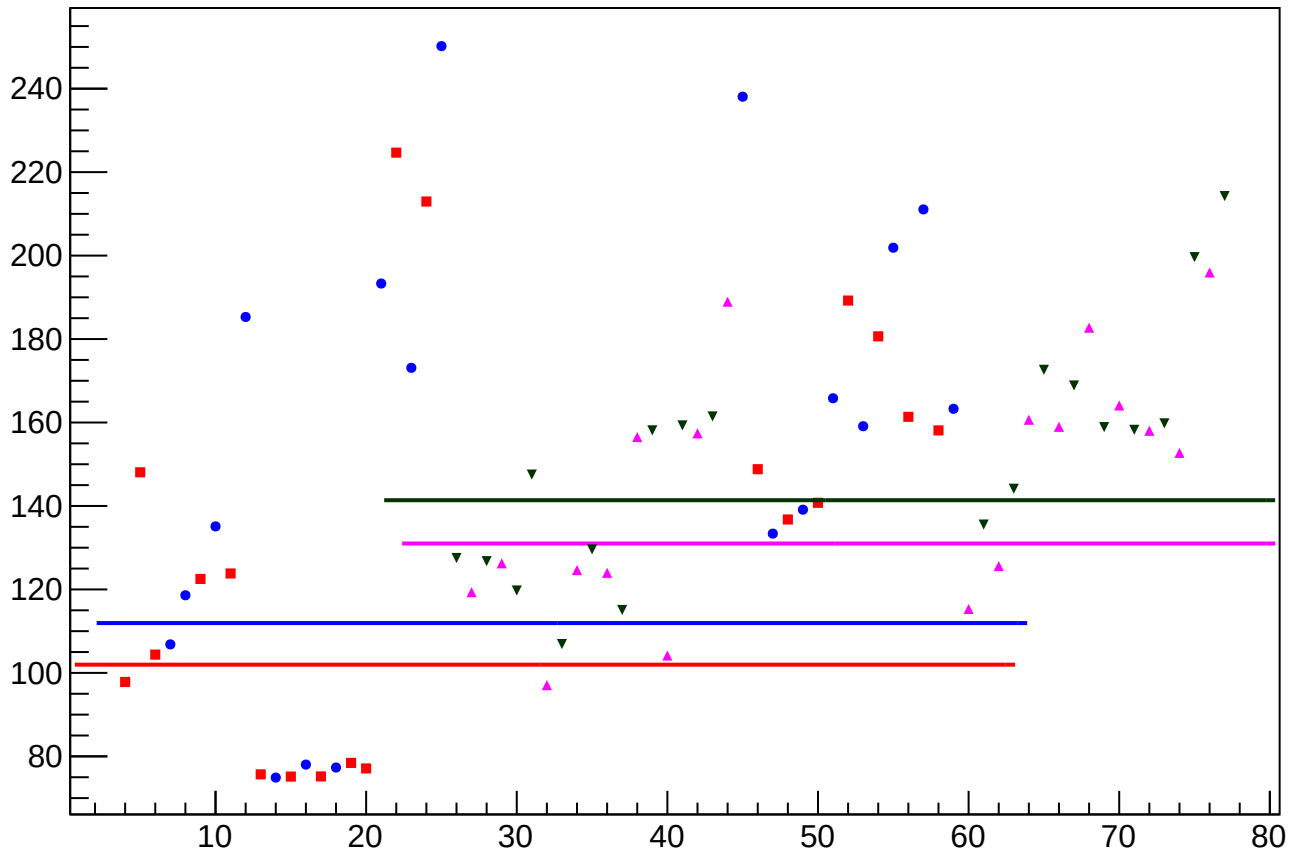
Right Out: 45.735 $\pm$ 34.677 χ^2 /NDF: 11.0/18

Left In: -24.756 $\pm$ 42.050 χ^2 /NDF:2.6/17

21.130 $\pm$ 28.458 χ^2 /NDF: 11.8/36

17.201 $\pm$ 26.753 χ^2 /NDF: 15.3/36

asym_bcm_an_ds3_rms vs slug



Right In: 111.942 $\pm$ 0.026 χ^2 /NDF: 2972725.0/17

Left Out: 141.380 $\pm$ 0.032 χ^2 /NDF: 576289.4/18

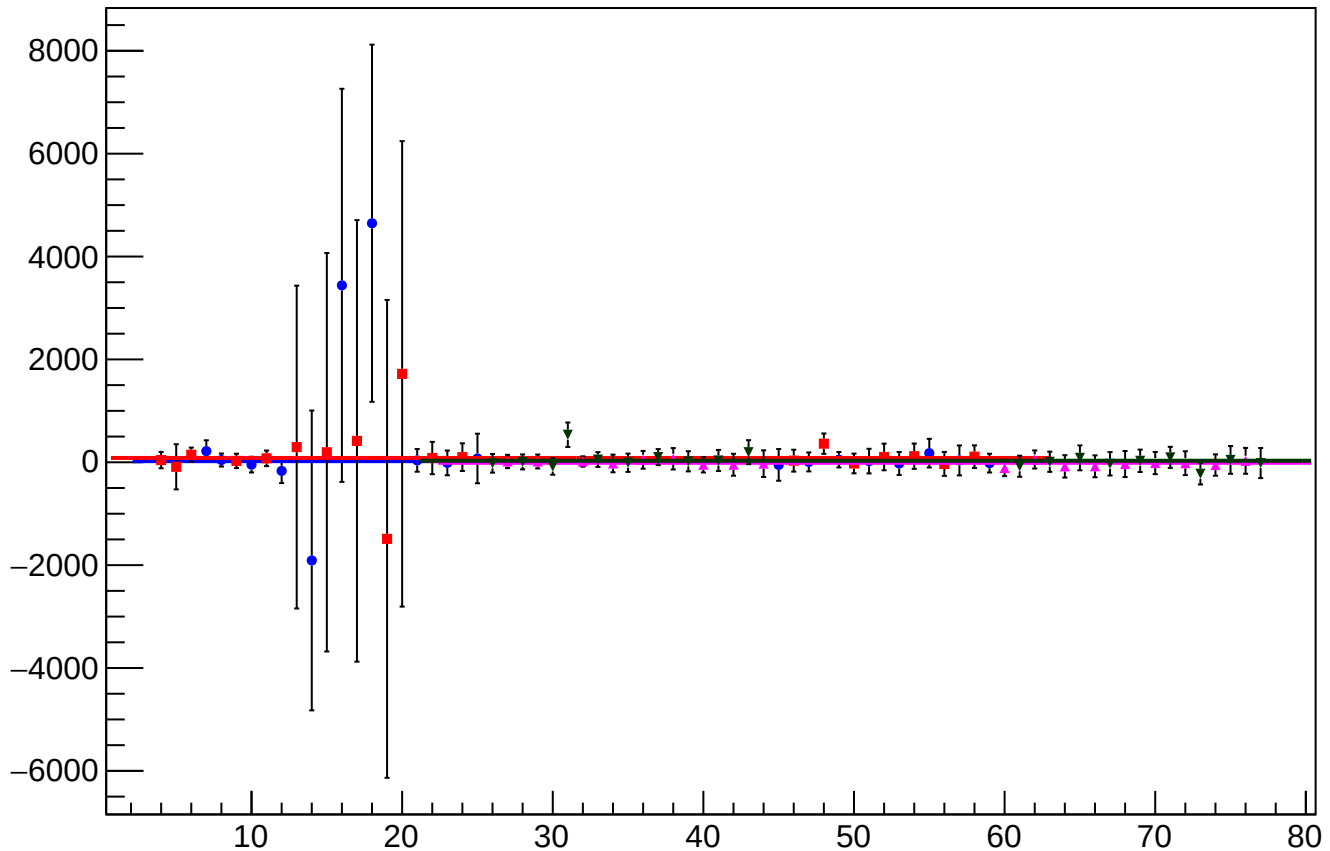
Right Out: 101.974 $\pm$ 0.025 χ^2 /NDF: 2271871.2/18

Left In: 131.010 $\pm$ 0.030 χ^2 /NDF: 836714.3/17

123.300 $\pm$ 0.020 χ^2 /NDF: 4056143.9/36

113.727 $\pm$ 0.019 χ^2 /NDF: 3676219.8/36

asym_bcm_an_us_mean vs slug



Right In: 21.772 $\pm$ 52.365 χ^2 /NDF: 5.3/17

Left Out: 29.783 $\pm$ 44.623 χ^2 /NDF: 7.9/18

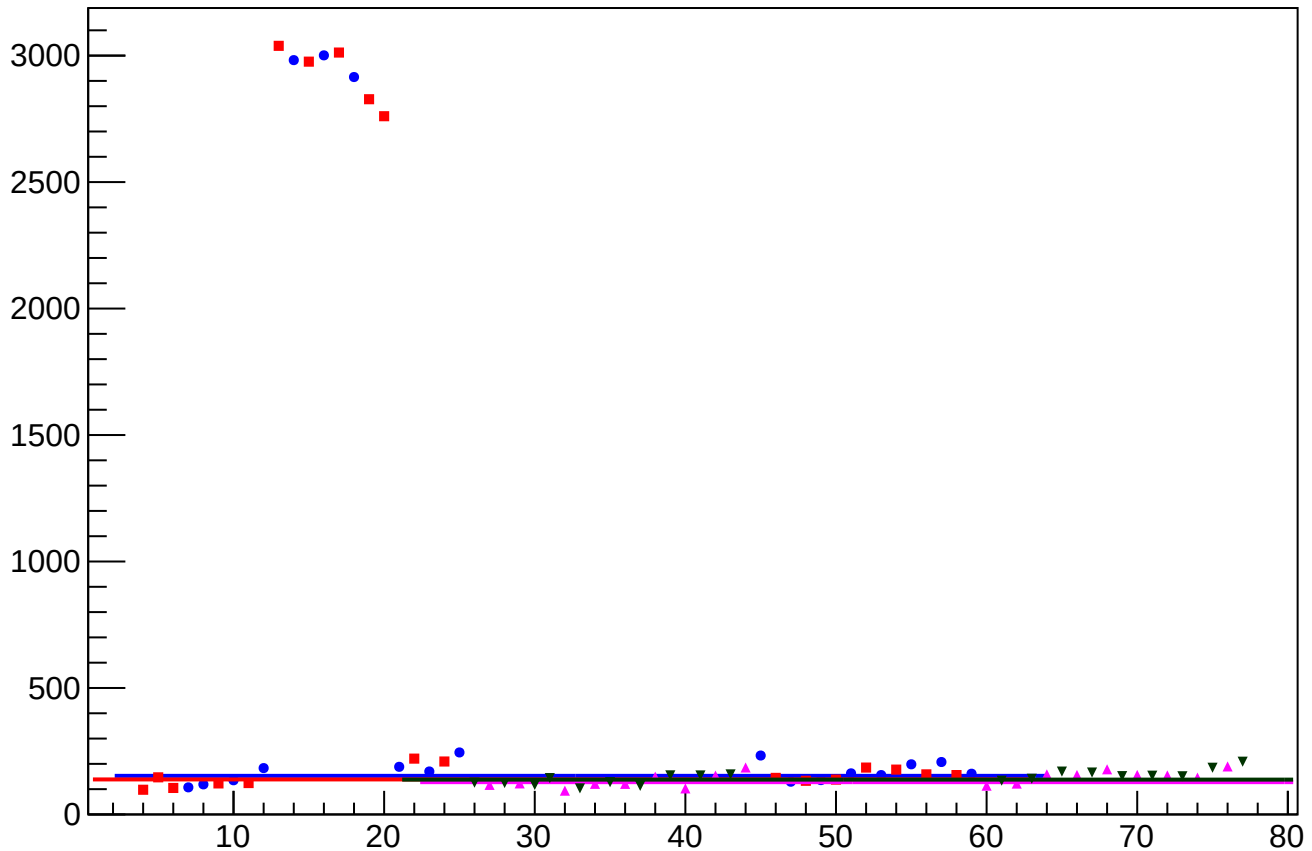
Right Out: 84.092 $\pm$ 52.636 χ^2 /NDF: 3.5/18

Left In: -10.217 $\pm$ 40.967 χ^2 /NDF: 1.3/17

26.413 $\pm$ 33.964 χ^2 /NDF: 13.2/36

25.361 $\pm$ 32.329 χ^2 /NDF: 6.8/36

asym_bcm_an_us_rms vs slug



Right In: 152.628+/-0.037 χ^2/NDF : 5017627.8/17

Left Out: 137.719+/-0.032 χ^2/NDF : 548170.2/18

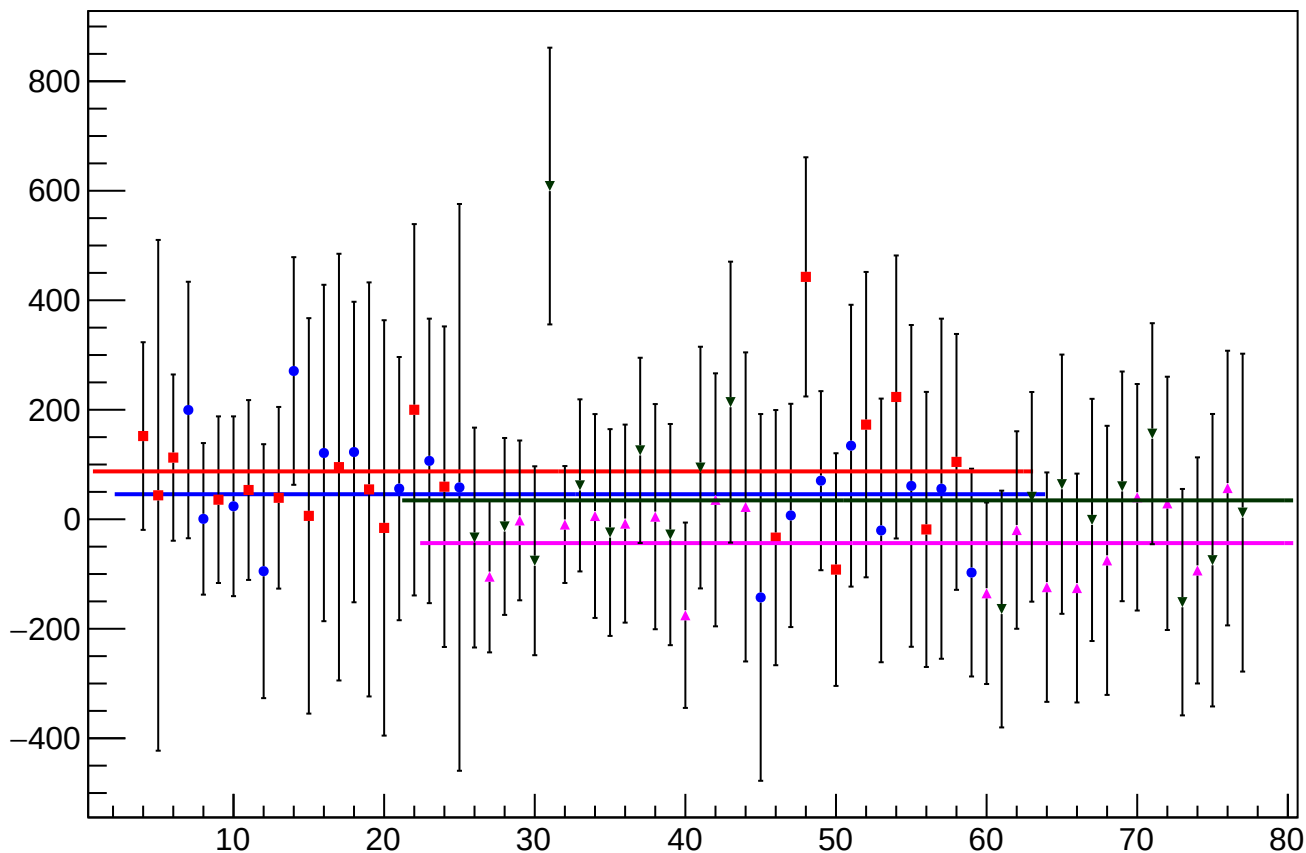
143.991+/-0.024 χ^2/NDF : 5659723.5/36

Right Out: 138.455+/-0.037 χ^2/NDF : 5734578.9/18

131.745+/-0.023 χ^2/NDF : 6611258.6/36

Left In: 127.680+/-0.029 χ^2/NDF : 824485.4/17

asym_bcm_dg_us_mean vs slug



Right In: 45.739+/-52.604 χ^2/NDF : 3.4/17

Left Out: 34.515+/-46.648 χ^2/NDF : 9.1/18

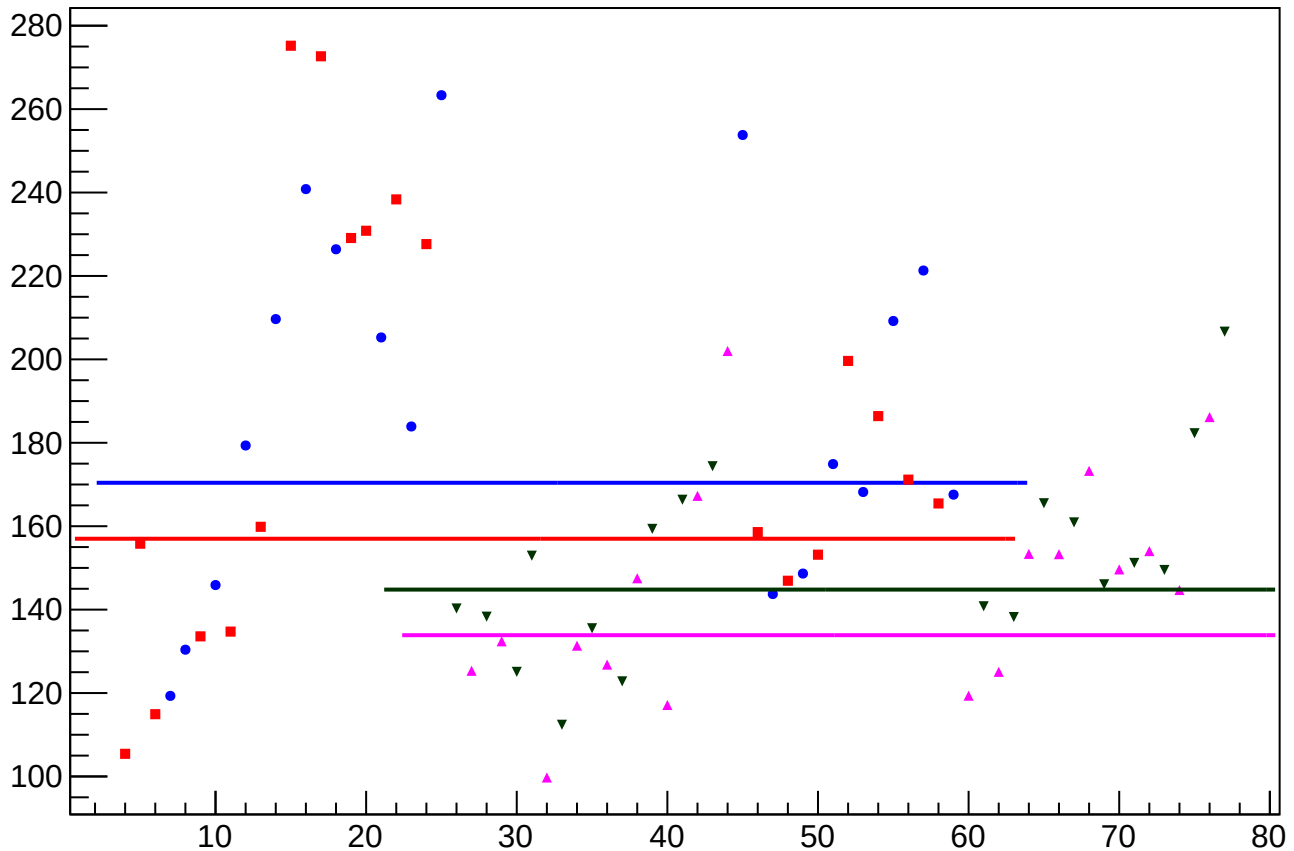
Right Out: 87.434+/-51.940 χ^2/NDF : 4.9/18

Left In: -43.531+/-42.760 χ^2/NDF : 2.4/17

39.456+/-34.902 χ^2/NDF : 12.6/36

9.374+/-33.012 χ^2/NDF : 11.1/36

asym_bcm_dg_us_rms vs slug



Right In: 170.412 $\pm$ 0.037 χ^2 /NDF: 964671.4/17

Left Out: 144.804 $\pm$ 0.033 χ^2 /NDF:374373.2/18

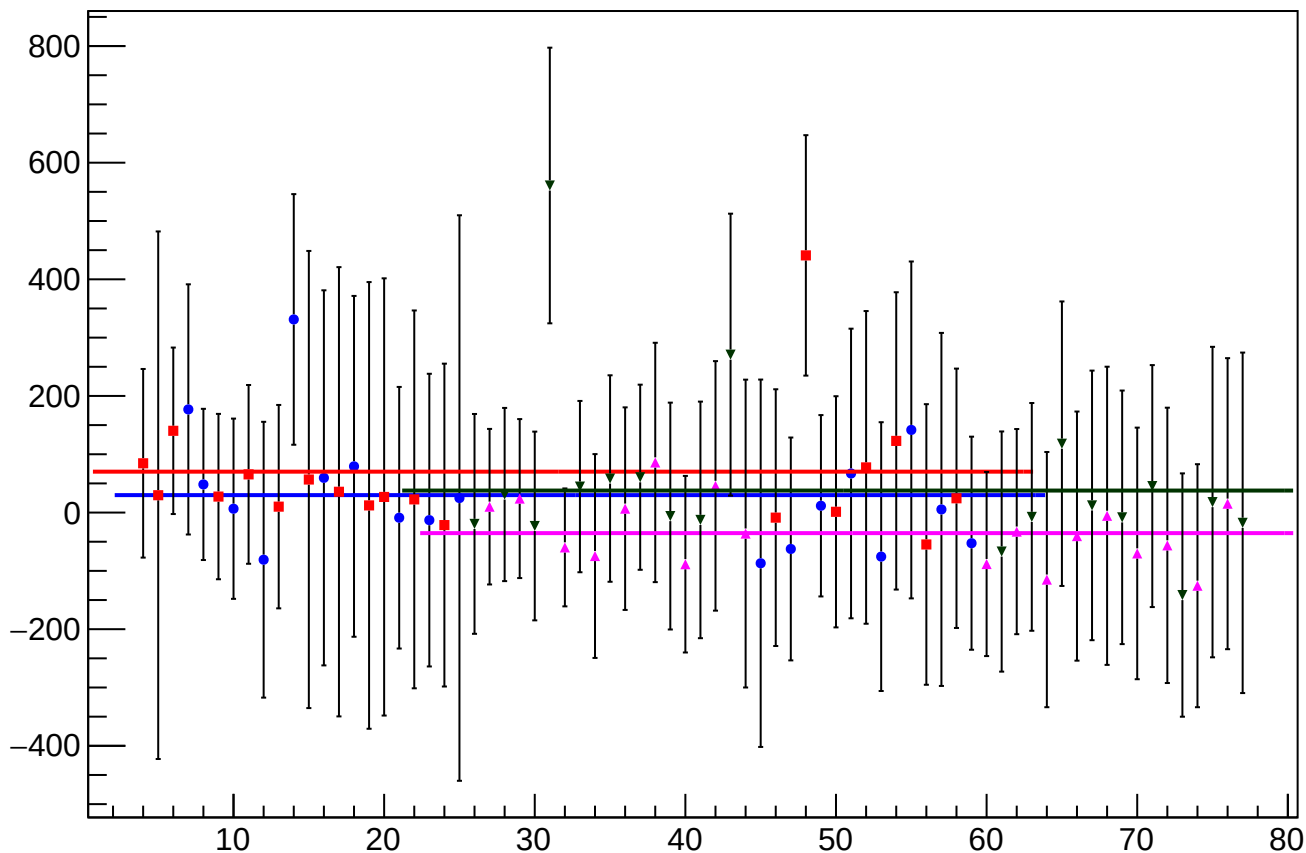
Right Out: 156.997 $\pm$ 0.037 χ^2 /NDF: 1276447.5/18

Left In: 133.870 $\pm$ 0.030 χ^2 /NDF:627375.2/17

156.077 $\pm$ 0.025 χ^2 /NDF: 1604359.5/36

143.212 $\pm$ 0.023 χ^2 /NDF: 2140165.3/36

asym_bcm_dg_ds_mean vs slug



Right In: 29.919+/-50.591 χ^2/NDF : 3.8/17

Left Out: 37.748+/-44.998 χ^2/NDF : 7.5/18

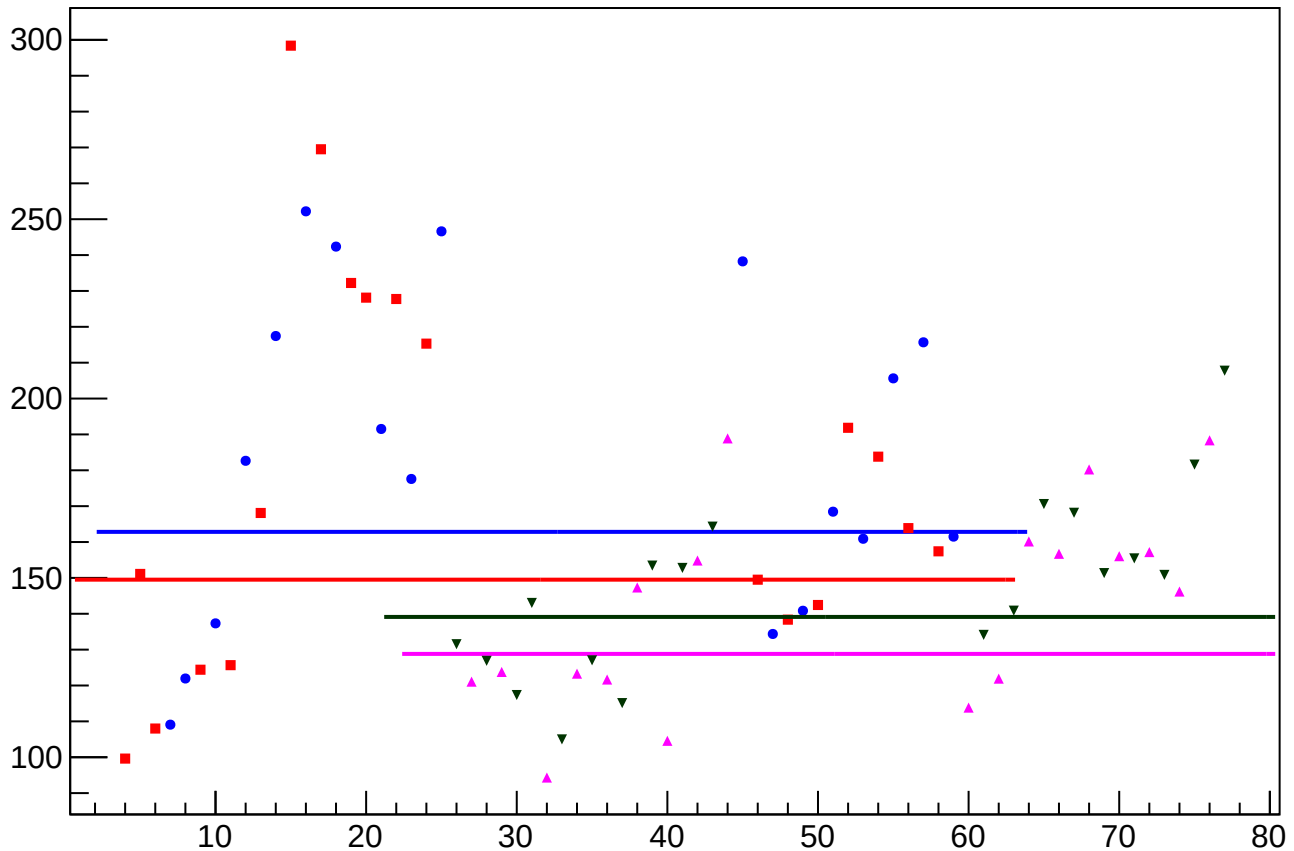
Right Out: 70.155+/-49.782 χ^2/NDF : 4.5/18

Left In: -35.248+/-41.297 χ^2/NDF : 1.6/17

34.290+/-33.623 χ^2/NDF : 11.3/36

7.719+/-31.784 χ^2/NDF : 8.7/36

asym_bcm_dg_ds_rms vs slug



Right In: 162.833+/-0.036 χ^2/NDF : 1229021.5/17

Left Out: 139.118+/-0.032 χ^2/NDF : 511096.3/18

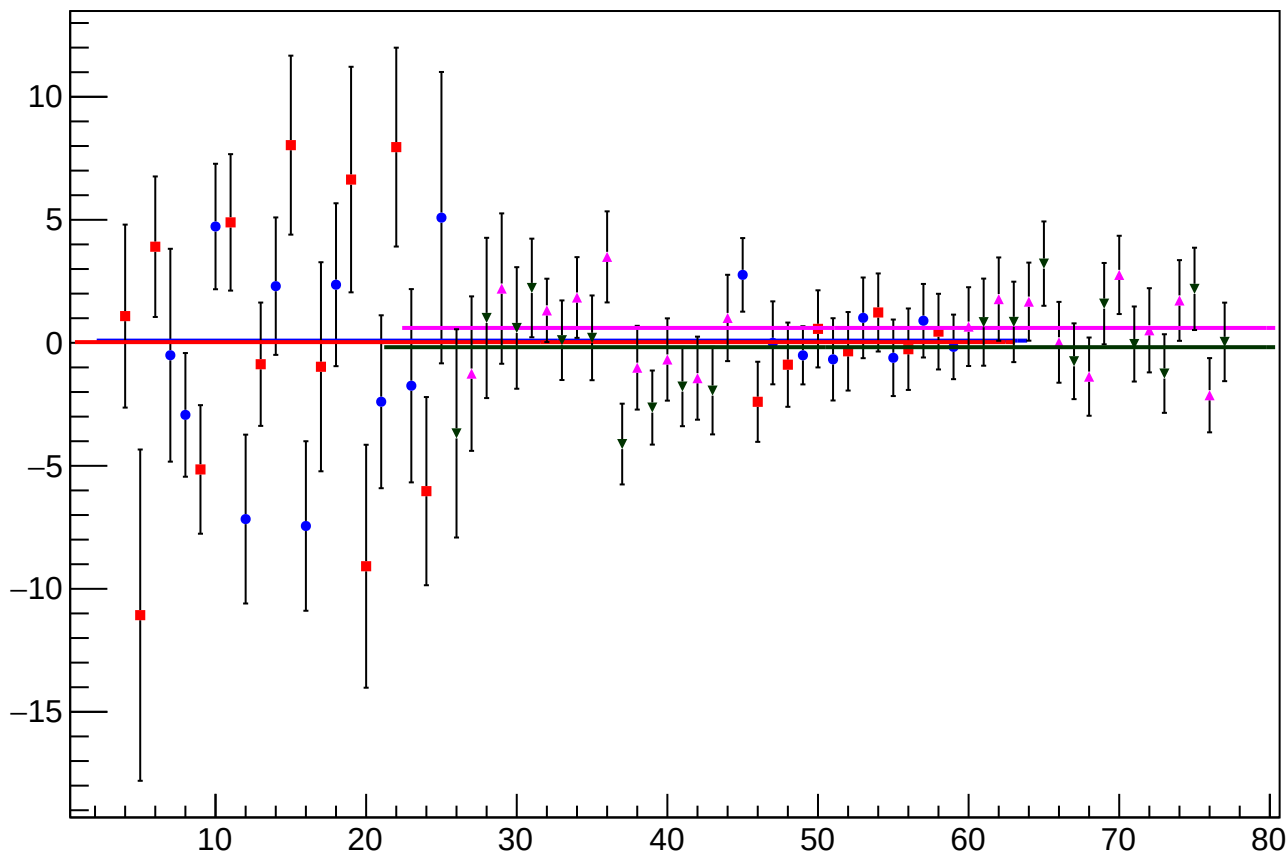
149.593+/-0.024 χ^2/NDF : 1985475.2/36

Right Out: 149.507+/-0.035 χ^2/NDF : 1490705.1/18

137.247+/-0.022 χ^2/NDF : 2509302.2/36

Left In: 128.810+/-0.029 χ^2/NDF : 813823.1/17

asym_cav4bQ_mean vs slug



Right In: 0.089 ± 0.466 χ^2/NDF : 21.1/17

Left Out: -0.178 ± 0.402 χ^2/NDF : 21.2/18

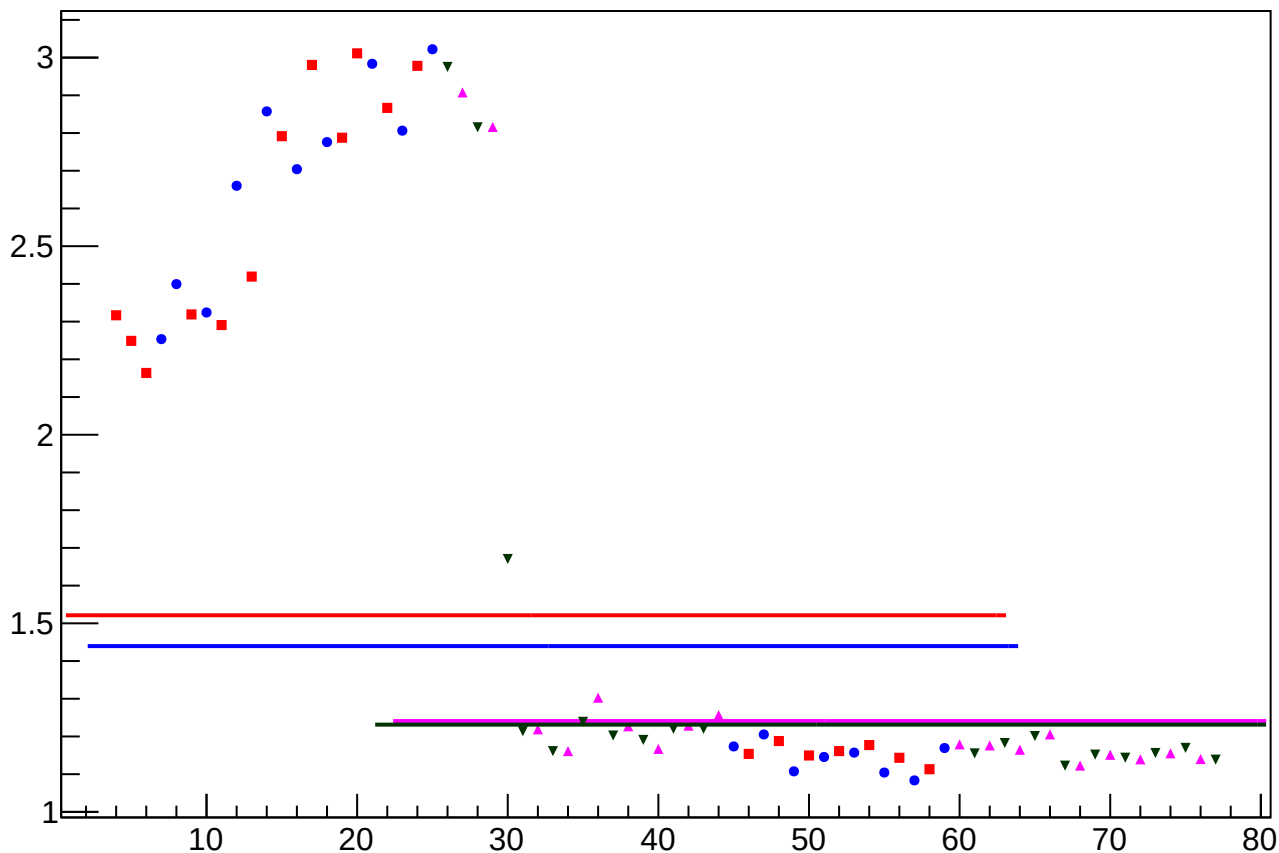
Right Out: 0.028 ± 0.520 χ^2/NDF : 31.9/18

Left In: 0.605 ± 0.398 χ^2/NDF : 15.1/17

-0.064 ± 0.304 χ^2/NDF : 42.5/36

0.391 ± 0.316 χ^2/NDF : 47.8/36

asym_cav4bQ_rms vs slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3409388.4/17

Left Out: 1.231 $\pm$ 0.000 χ^2 /NDF:922912.8/18

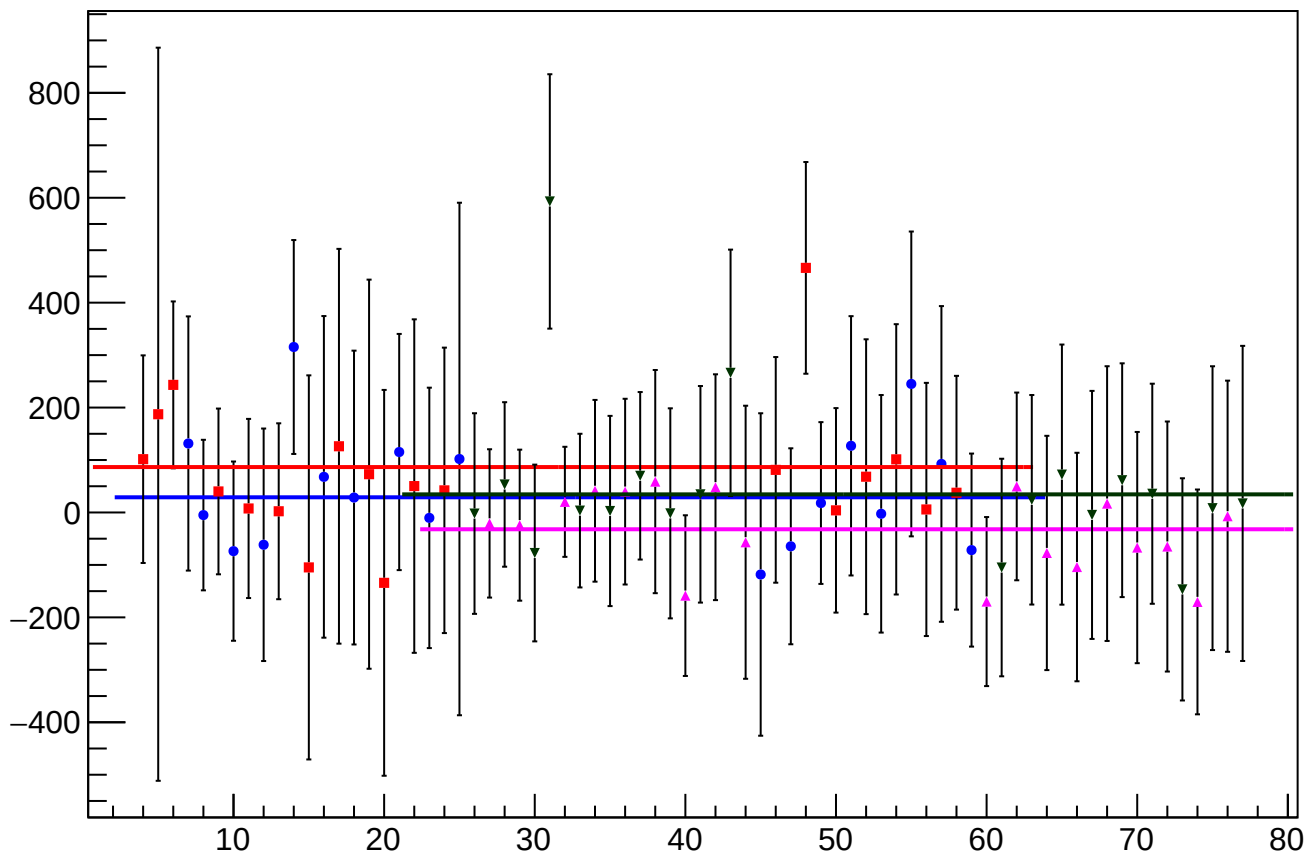
Right Out: 1.521 $\pm$ 0.000 χ^2 /NDF: 2870549.2/18

Left In: 1.241 $\pm$ 0.000 χ^2 /NDF:1156841.8/17

1.320 $\pm$ 0.000 χ^2 /NDF: 4561402.8/36

1.345 $\pm$ 0.000 χ^2 /NDF: 4394303.4/36

asym_cav4cQ_mean vs slug



Right In: 28.930 ± 51.478 χ^2/NDF : 4.5/17

Left Out: 34.513 ± 45.866 χ^2/NDF : 8.2/18

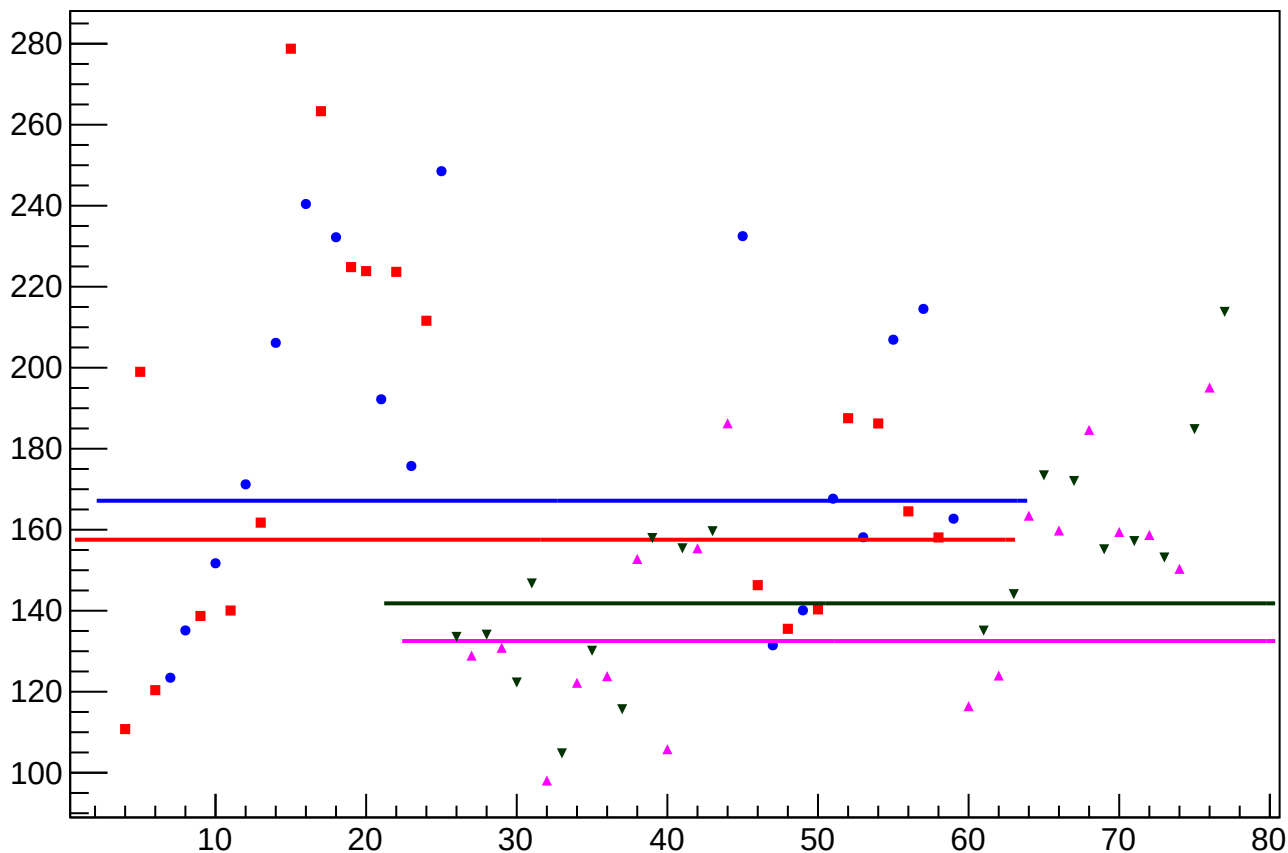
Right Out: 86.558 ± 52.059 χ^2/NDF : 6.1/18

Left In: -32.037 ± 42.418 χ^2/NDF : 3.2/17

32.042 ± 34.245 χ^2/NDF : 12.7/36

15.284 ± 32.884 χ^2/NDF : 12.5/36

asym_cav4cQ_rms vs slug



Right In: 167.159+/-0.036 χ^2/NDF : 875808.6/17

Left Out: 141.818+/-0.032 χ^2/NDF : 515777.9/18

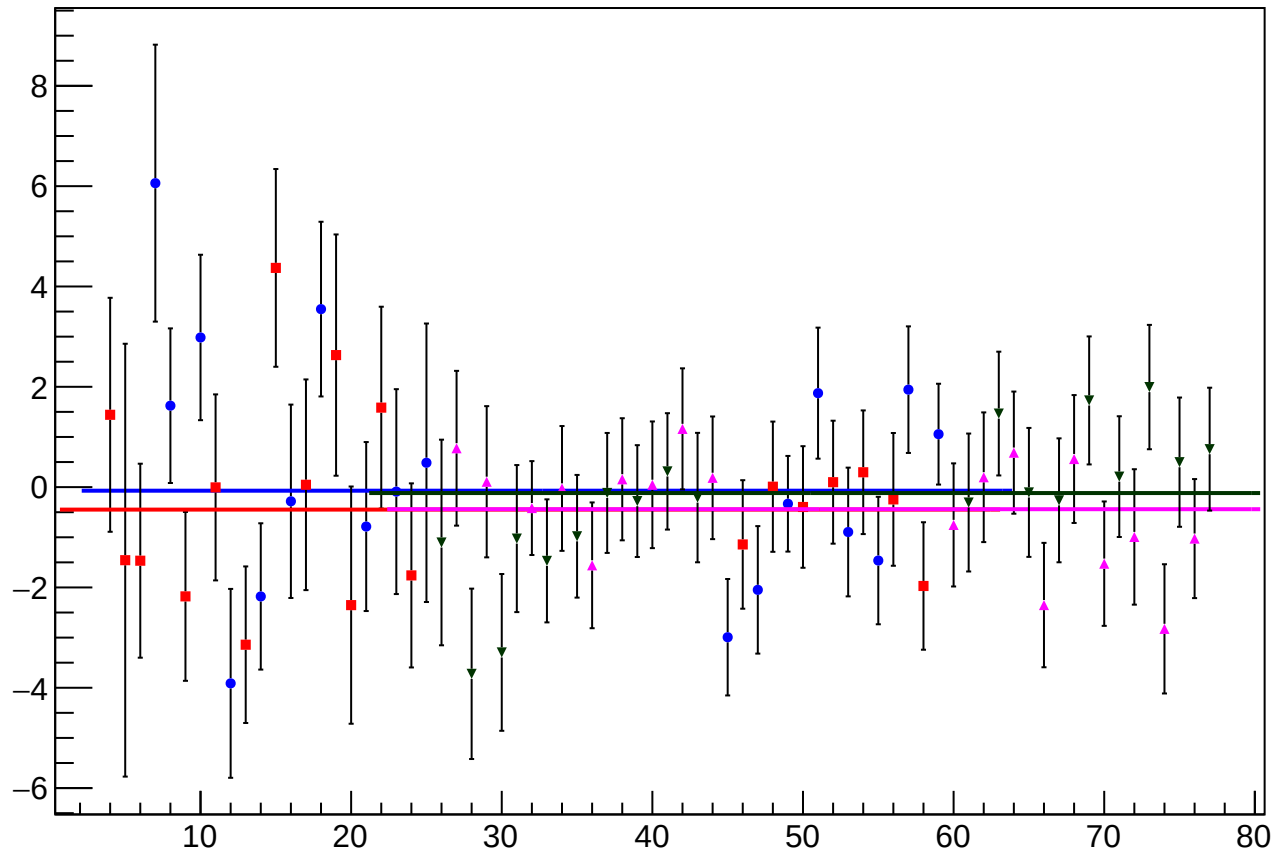
Right Out: 157.534+/-0.037 χ^2/NDF : 1049684.2/18

Left In: 132.518+/-0.030 χ^2/NDF : 774457.2/17

153.032+/-0.024 χ^2/NDF : 1661760.8/36

142.500+/-0.023 χ^2/NDF : 2101698.4/36

asym_cav4dQ_mean vs slug



Right In: -0.071 ± 0.335 χ^2/NDF : 36.8/17

Left Out: -0.118 ± 0.297 χ^2/NDF : 18.6/18

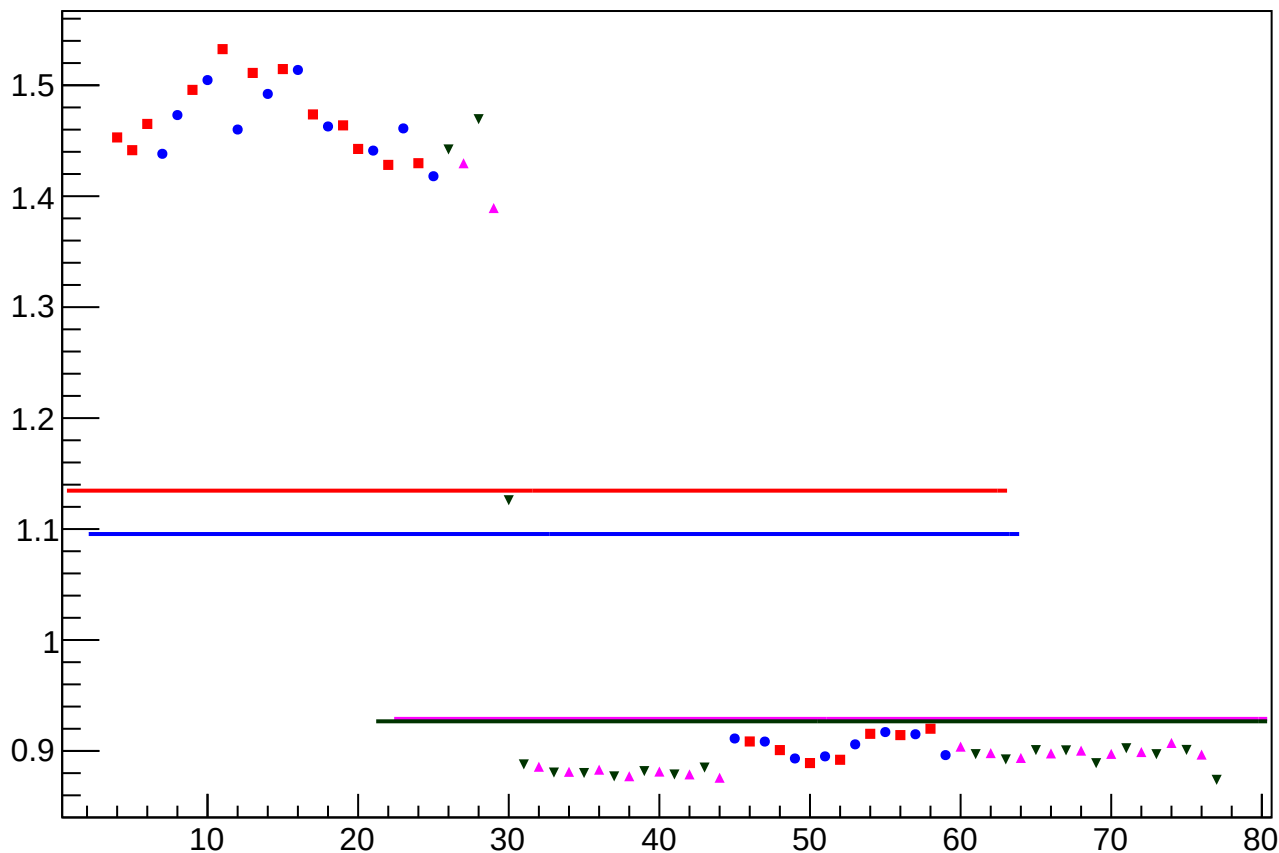
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.440 ± 0.293 χ^2/NDF : 12.8/17

-0.097 ± 0.223 χ^2/NDF : 55.5/36

-0.443 ± 0.229 χ^2/NDF : 30.2/36

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.927+/-0.000 χ^2/NDF : 394921.9/18

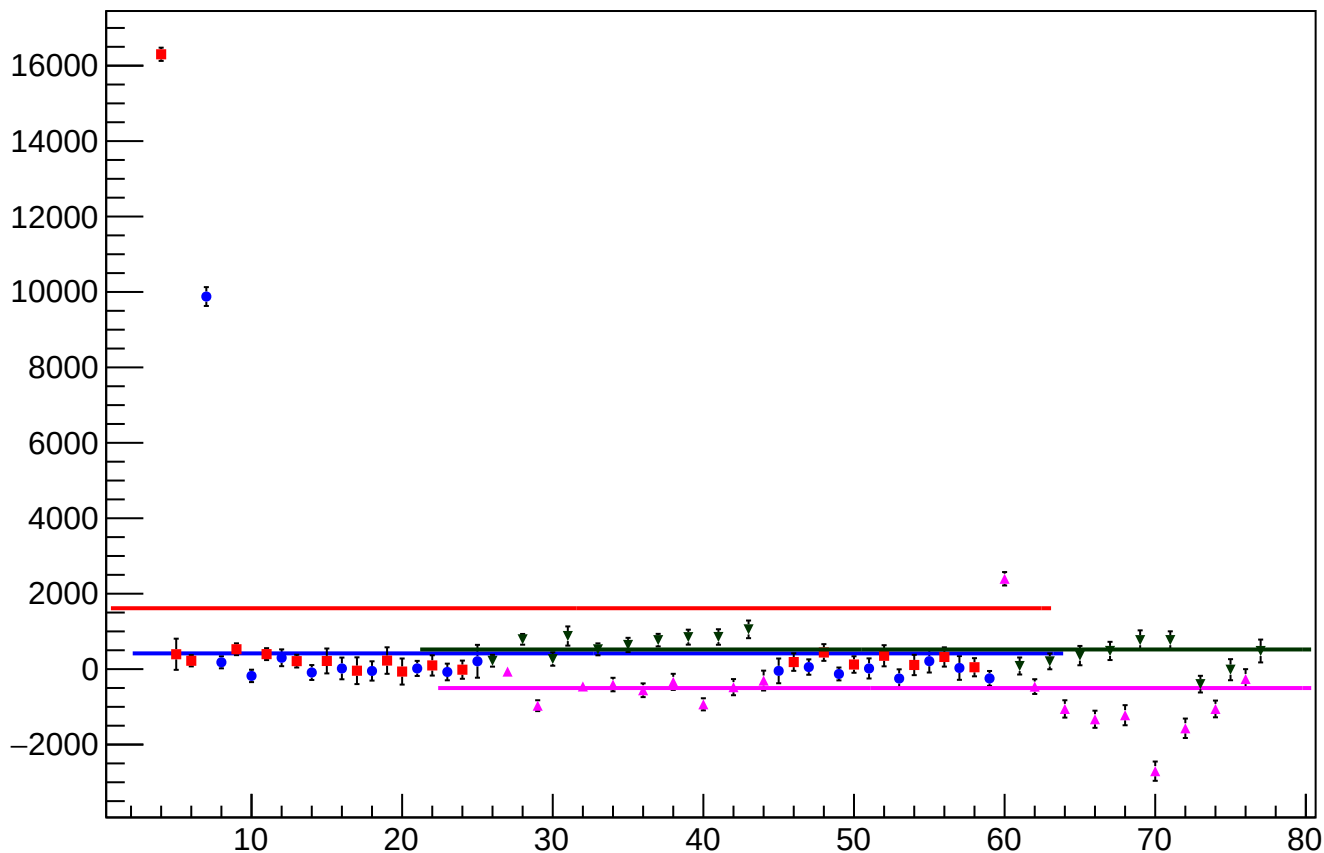
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.929+/-0.000 χ^2/NDF : 431038.6/17

1.001+/-0.000 χ^2/NDF : 1967280.2/36

1.008+/-0.000 χ^2/NDF : 1973981.3/36

asym_bcm0l02_mean vs slug



Right In: 417.186+/-52.636 χ^2/NDF : 1507.9/17

Left Out: 521.040+/-46.589 χ^2/NDF : 53.8/18

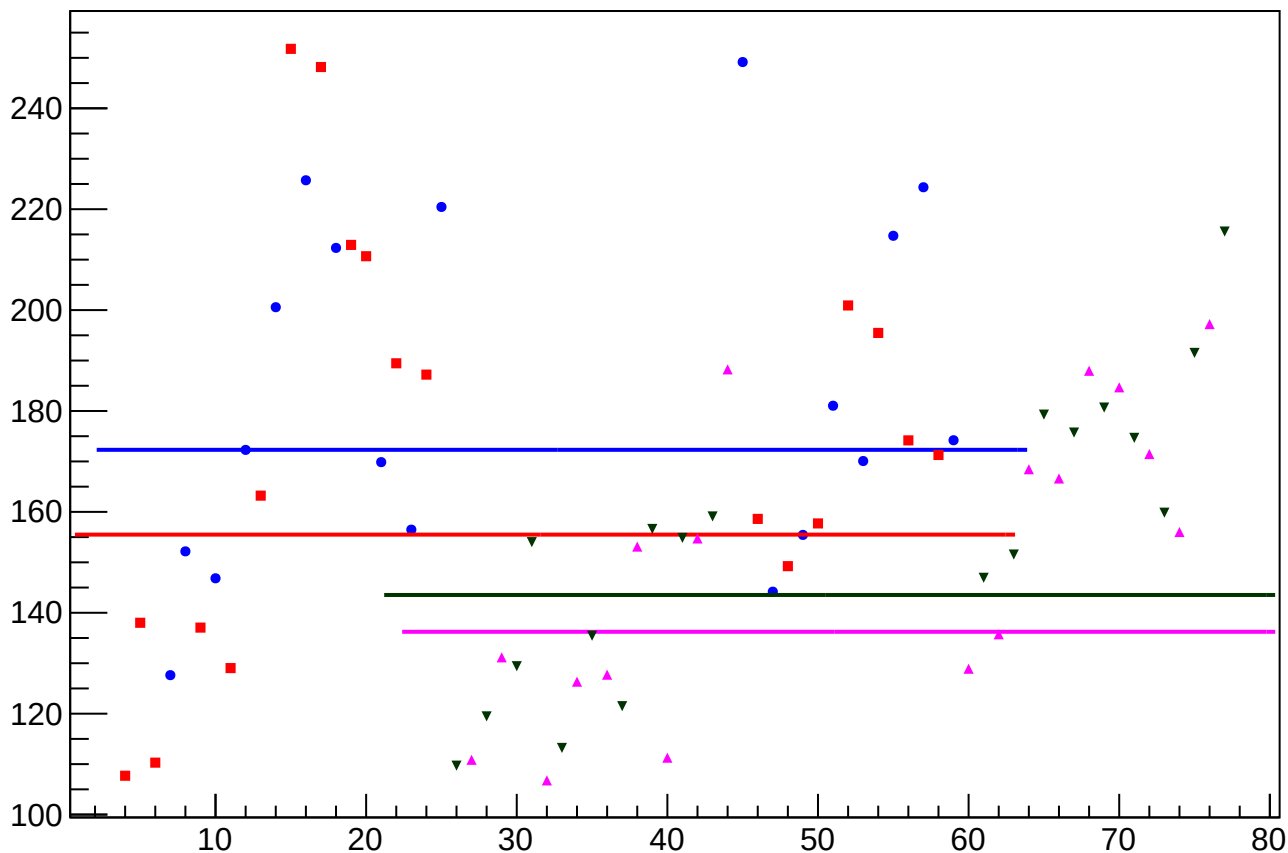
Right Out: 1614.499+/-51.138 χ^2/NDF : 7665.3/18

Left In: -501.866+/-43.555 χ^2/NDF : 422.3/17

475.419+/-34.886 χ^2/NDF : 1564.0/36

387.919+/-33.158 χ^2/NDF : 9080.3/36

asym_bcm0l02_rms vs slug



Right In: 172.303+/-0.037 χ^2/NDF : 600813.3/17

Left Out: 143.532+/-0.033 χ^2/NDF :640040.1/18

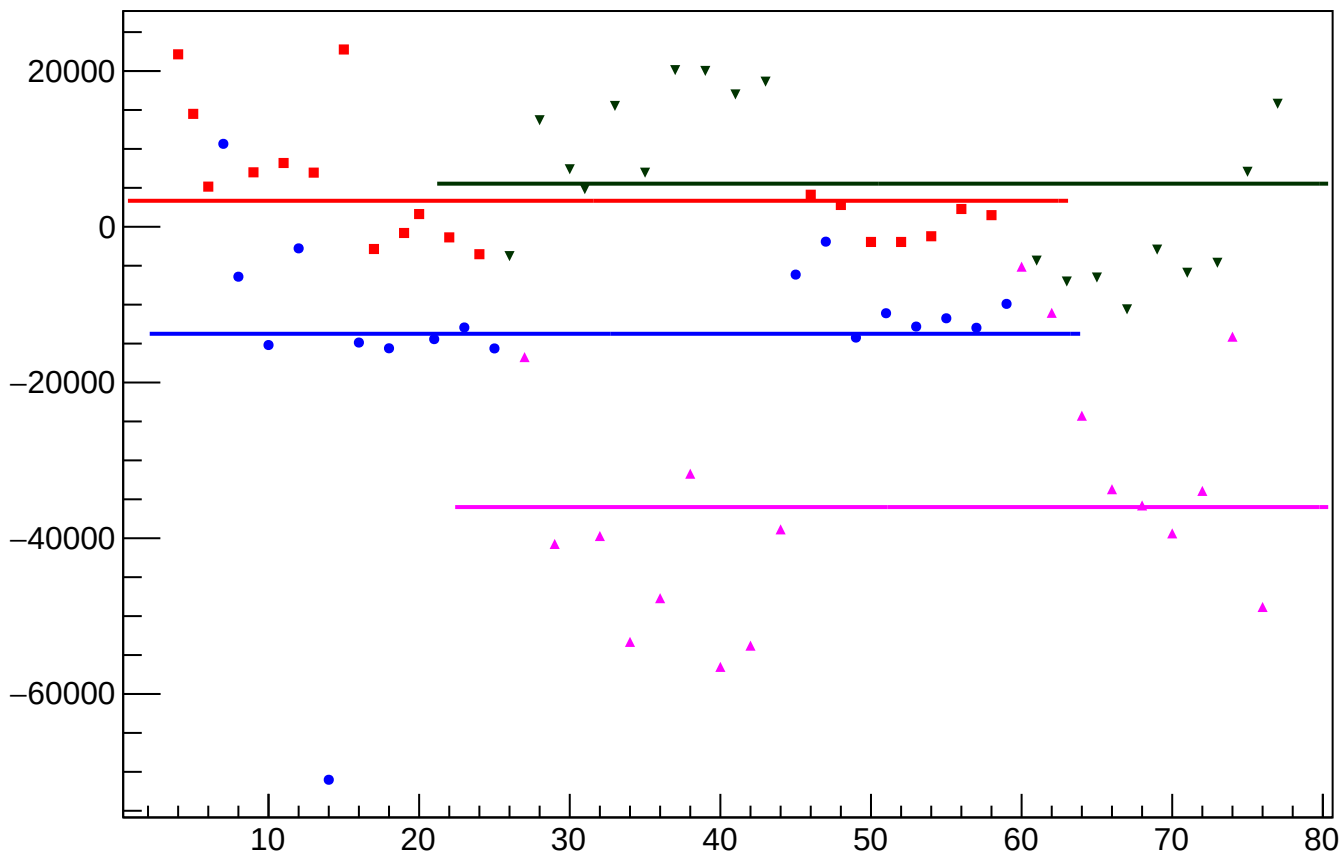
156.171+/-0.025 χ^2/NDF : 1575926.6/36

Right Out: 155.494+/-0.036 χ^2/NDF : 1018742.9/18

144.330+/-0.023 χ^2/NDF : 1959581.7/36

Left In: 136.231+/-0.031 χ^2/NDF :776378.0/17

asym_bpm2i01WS_mean vs slug



Right In: -13741.376 ± 32.053 χ^2/NDF : 222194.3/17

Left Out: 5536.966 ± 30.055 χ^2/NDF : 131405.9/18

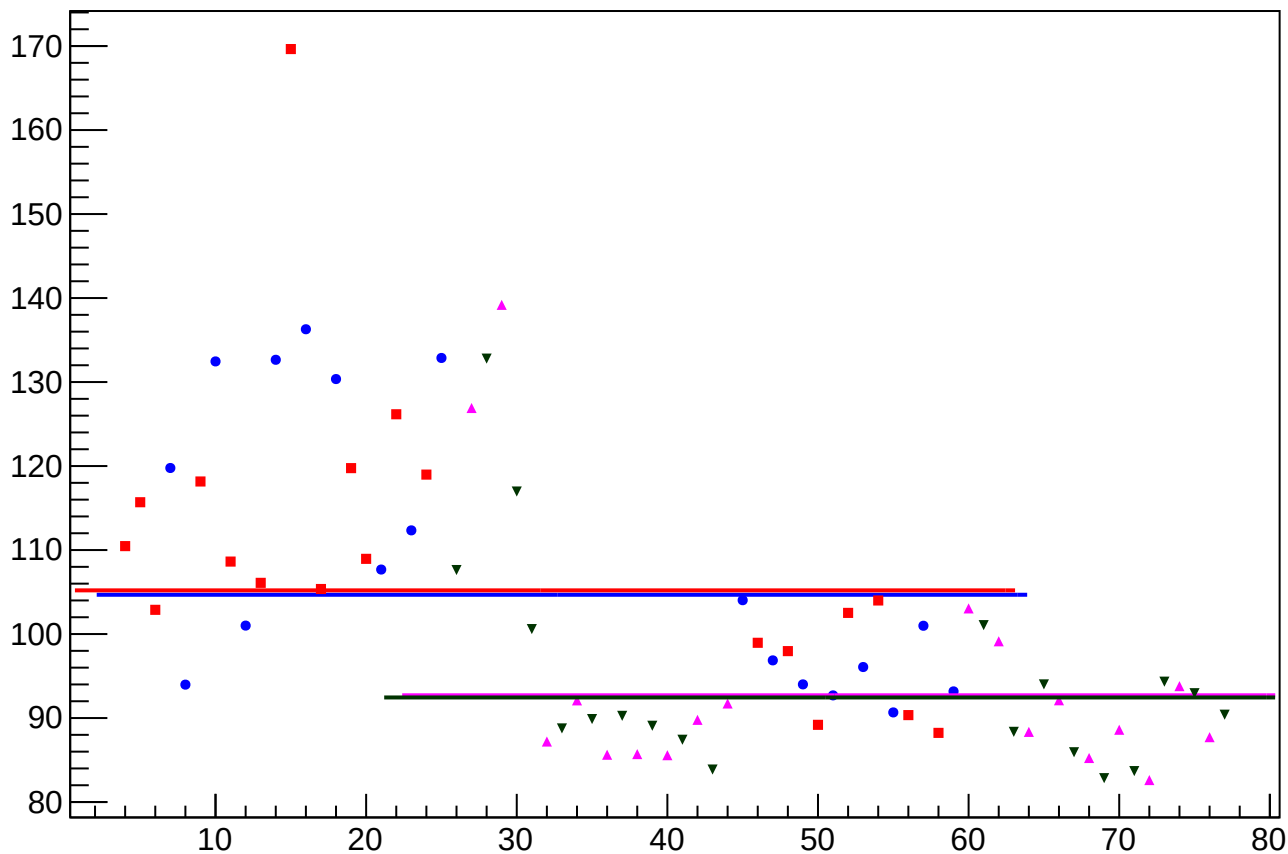
Right Out: 3338.926 ± 34.258 χ^2/NDF : 31361.1/18

Left In: -35995.948 ± 29.686 χ^2/NDF : 220411.4/17

-3482.671 ± 21.924 χ^2/NDF : 546100.5/36

-19126.083 ± 22.435 χ^2/NDF : 1004733.0/36

asym_bpm2i01WS_rms vs slug



Right In: 104.677 $\pm$ 0.023 χ^2 /NDF: 431749.6/17

Left Out: 92.450 $\pm$ 0.021 χ^2 /NDF:250807.7/18

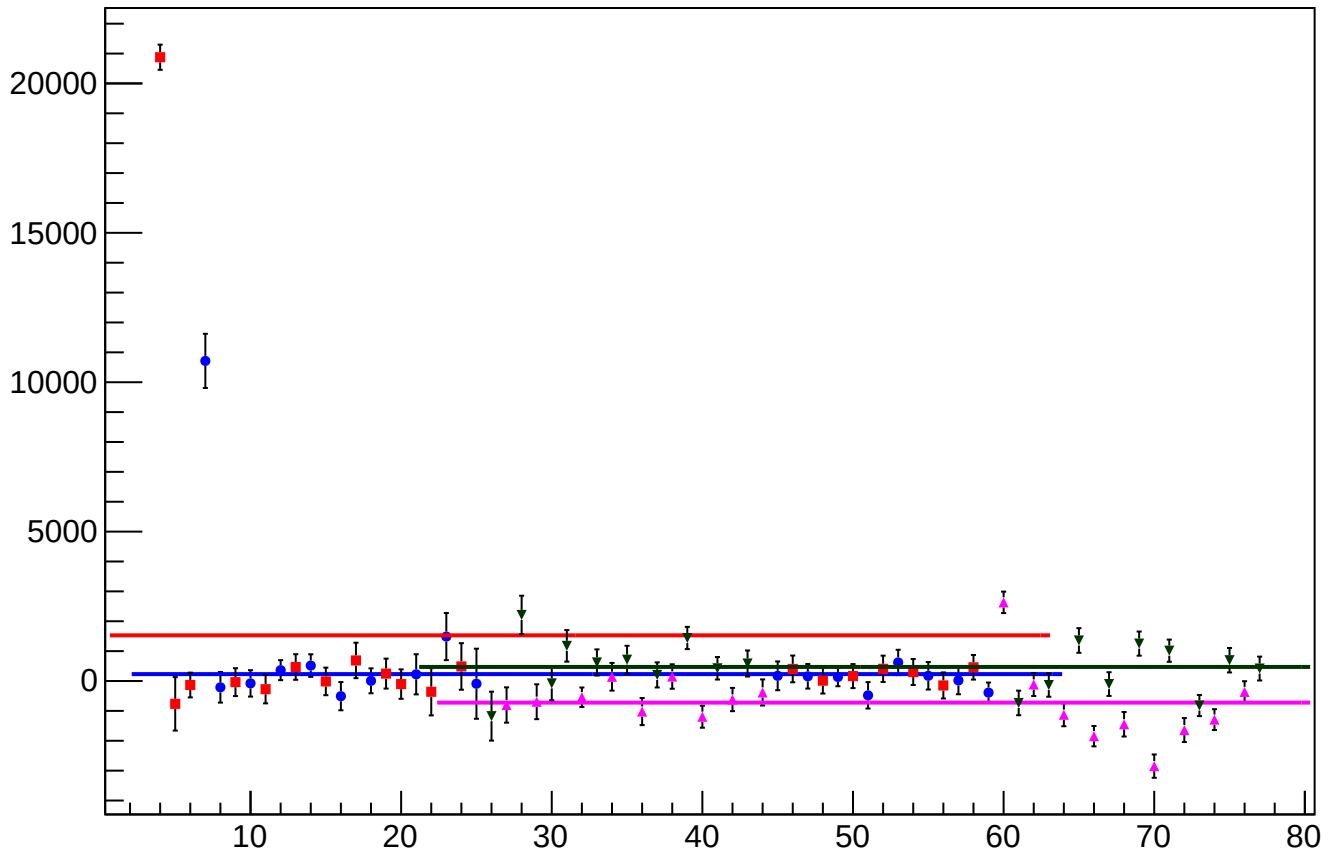
98.171 $\pm$ 0.016 χ^2 /NDF: 837410.9/36

Right Out: 105.200 $\pm$ 0.024 χ^2 /NDF: 336723.5/18

98.066 $\pm$ 0.016 χ^2 /NDF: 852120.2/36

Left In: 92.708 $\pm$ 0.021 χ^2 /NDF:363512.2/17

asym_bpm0i07WS_mean vs slug



Right In: 230.965 $\pm$ 105.235 χ^2 /NDF: 148.0/17

Left Out: 471.133 $\pm$ 98.068 χ^2 /NDF:59.0/18

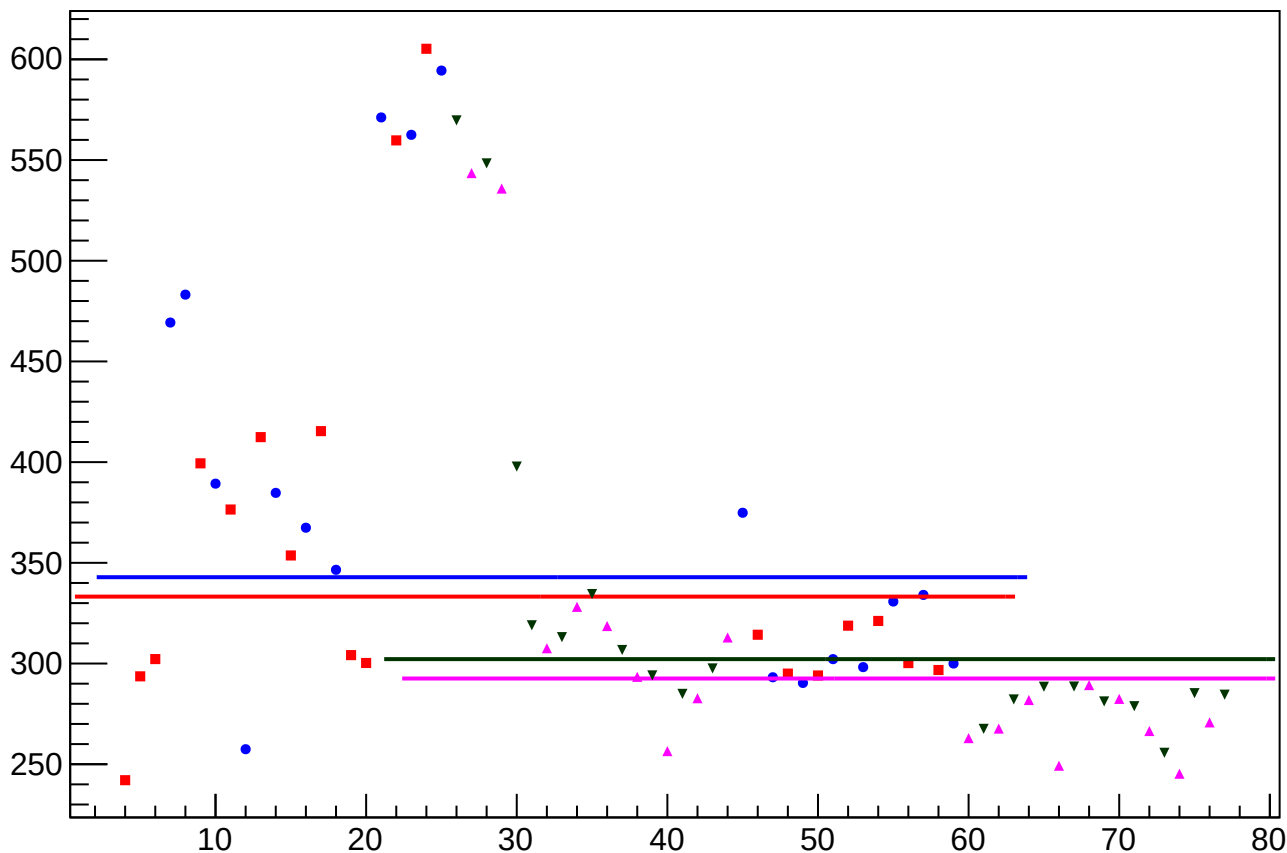
359.506 $\pm$ 71.745 χ^2 /NDF: 209.7/36

Right Out: 1529.045 $\pm$ 108.949 χ^2 /NDF: 2274.0/18

232.266 $\pm$ 70.951 χ^2 /NDF: 2674.2/36

Left In: -722.721 $\pm$ 93.495 χ^2 /NDF:154.2/17

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 302.185 $\pm$ 0.069 χ^2 /NDF:661496.9/18

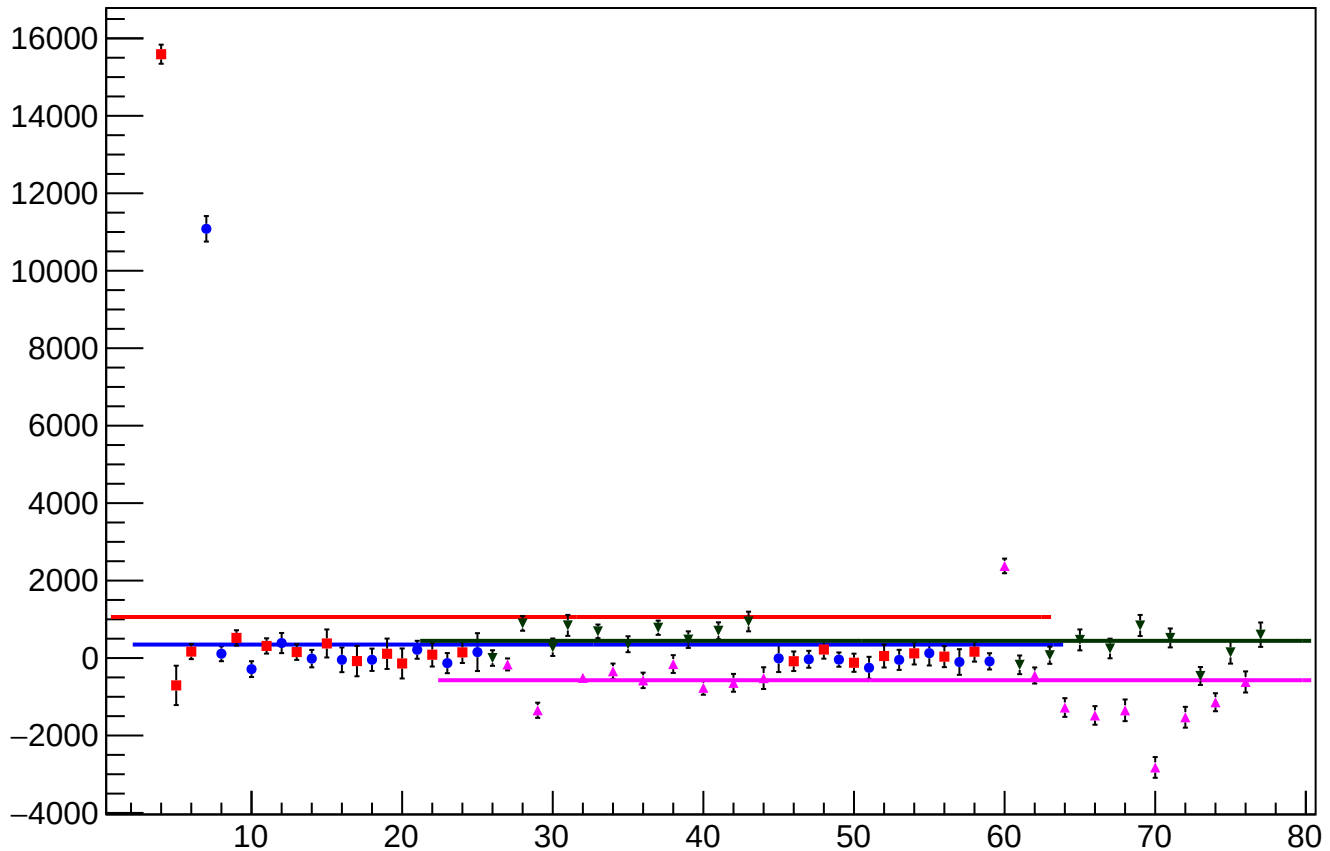
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 292.558 $\pm$ 0.066 χ^2 /NDF:864867.8/17

321.093 $\pm$ 0.051 χ^2 /NDF: 1840074.2/36

309.808 $\pm$ 0.050 χ^2 /NDF: 1794316.5/36

asym_bpm0l01WS_mean vs slug



Right In: 348.196 ± 59.644 χ^2/NDF : 1103.2/17

Left Out: 444.504 ± 52.214 χ^2/NDF : 52.9/18

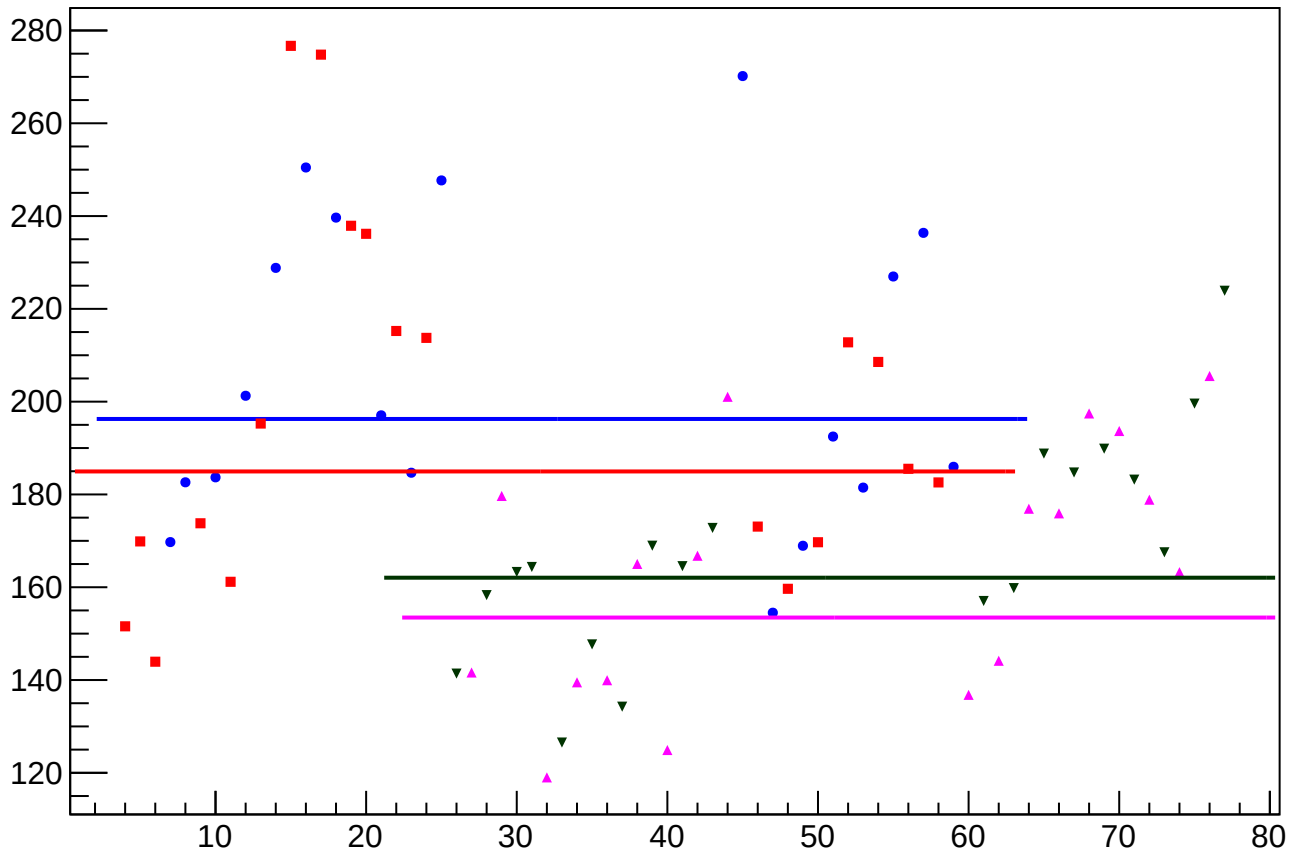
402.719 ± 39.287 χ^2/NDF : 1157.6/36

Right Out: 1059.962 ± 60.034 χ^2/NDF : 3708.7/18

76.150 ± 37.851 χ^2/NDF : 4547.8/36

Left In: -572.949 ± 48.764 χ^2/NDF : 393.4/17

asym_bpm0l01WS_rms vs slug



Right In: 196.269 $\pm$ 0.042 χ^2 /NDF: 466122.9/17

Left Out: 162.054 $\pm$ 0.037 χ^2 /NDF: 348343.2/18

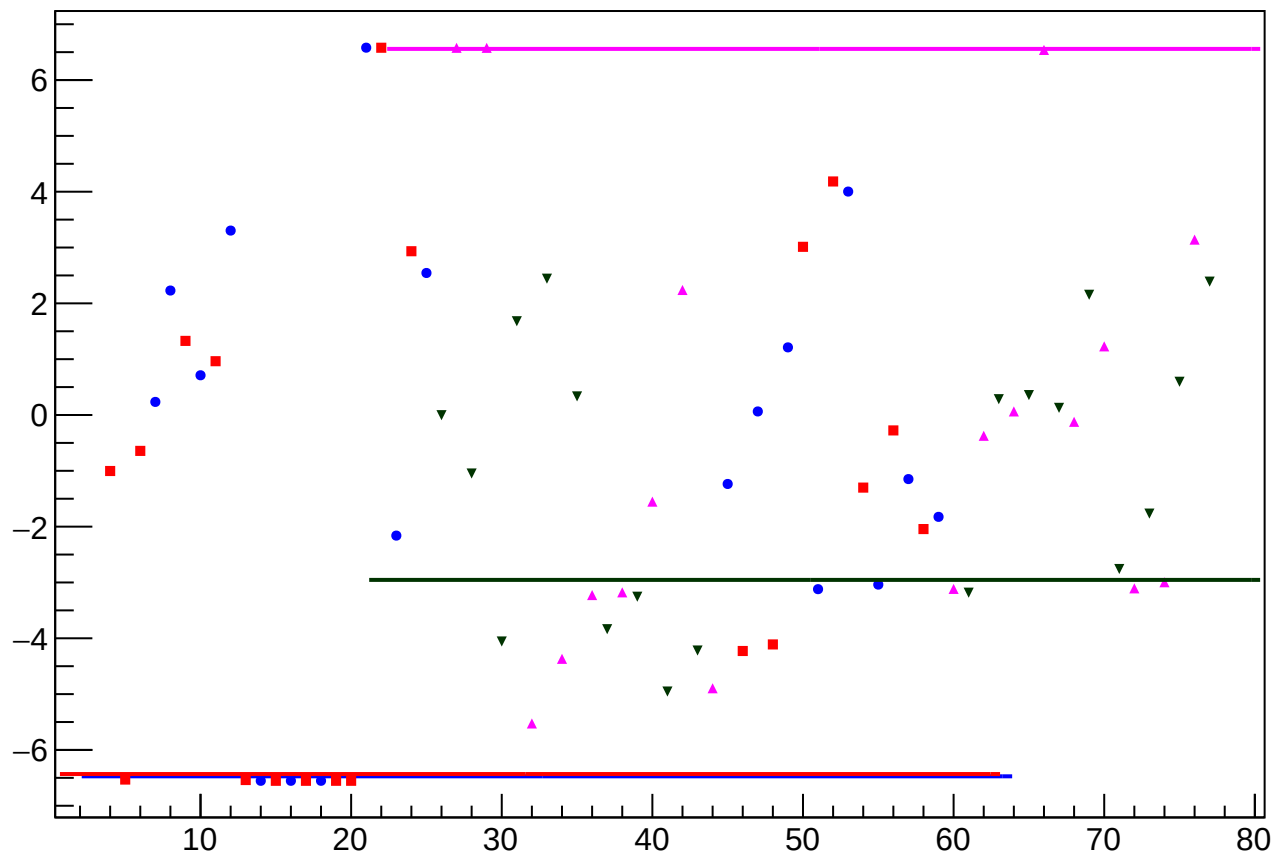
Right Out: 184.956 $\pm$ 0.042 χ^2 /NDF: 580645.4/18

Left In: 153.466 $\pm$ 0.034 χ^2 /NDF: 579117.4/17

176.899 $\pm$ 0.028 χ^2 /NDF: 1187050.9/36

165.984 $\pm$ 0.027 χ^2 /NDF: 1491298.5/36

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847949322838.5/17

Left Out: -2.954+/-0.001 χ^2/NDF : 15957728.8/18

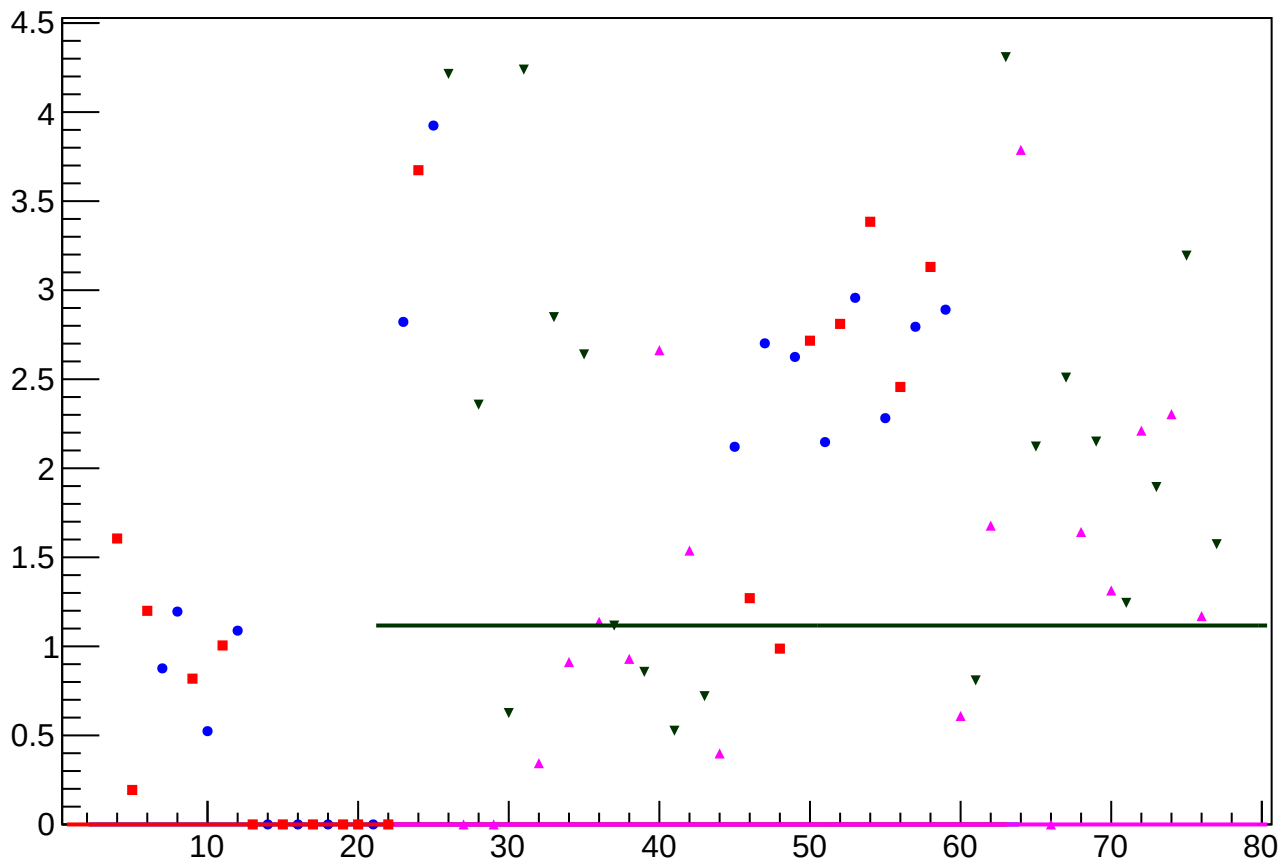
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1579711280.2/17

-6.473+/-0.000 χ^2/NDF : 127848013082382.7/3

-6.196+/-0.000 χ^2/NDF : 446402714657735.8/3

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 1.117+/-0.000 χ^2/NDF : 4581283.8/18

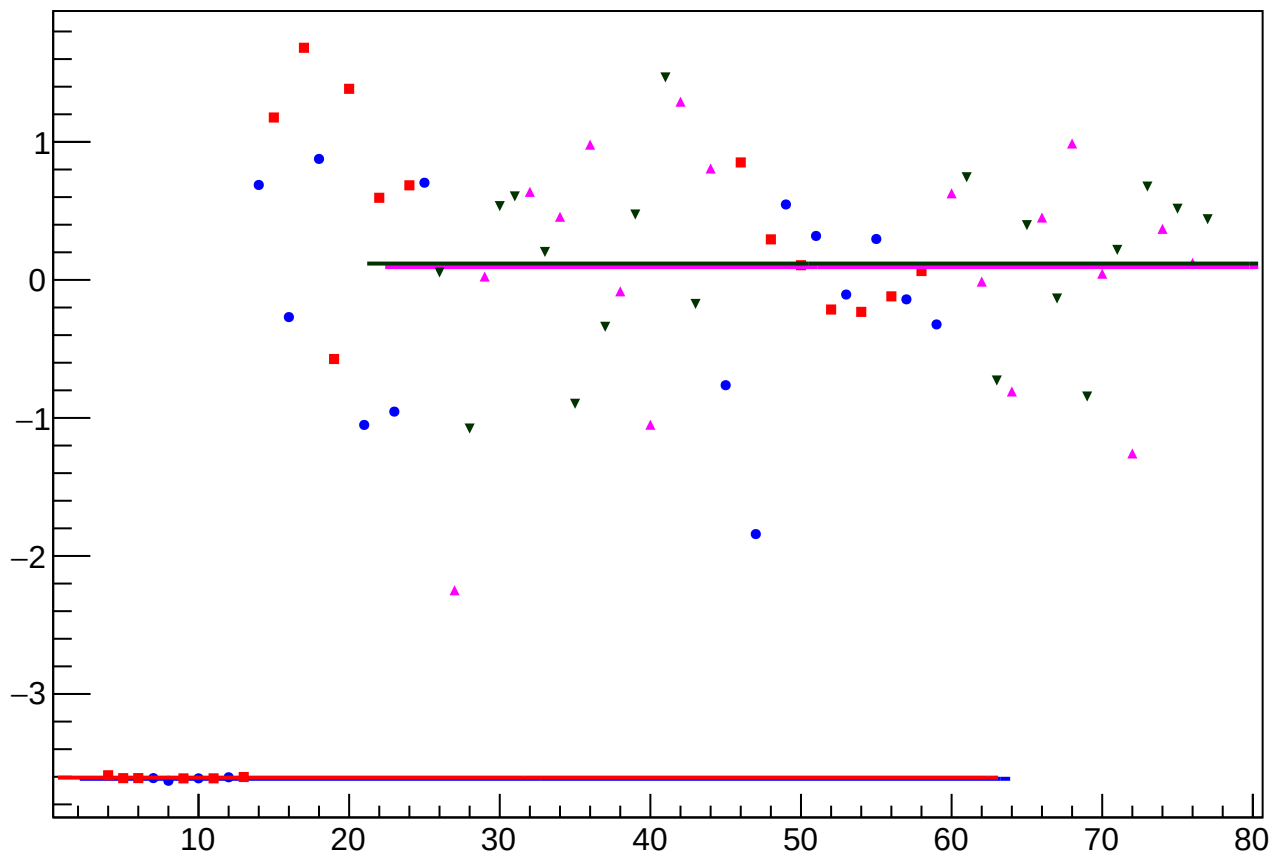
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 11081619.2/17

0.000+/-0.000 χ^2/NDF : 26128385.5/36

0.000+/-0.000 χ^2/NDF : 20708263.6/36

yield_cav4bY_mean vs slug



Right In: -3.614 ± 0.000 $\chi^2/\text{NDF}: 49086055221.8/17$

Left Out: 0.118 ± 0.000 $\chi^2/\text{NDF}: 10752134.7/18$

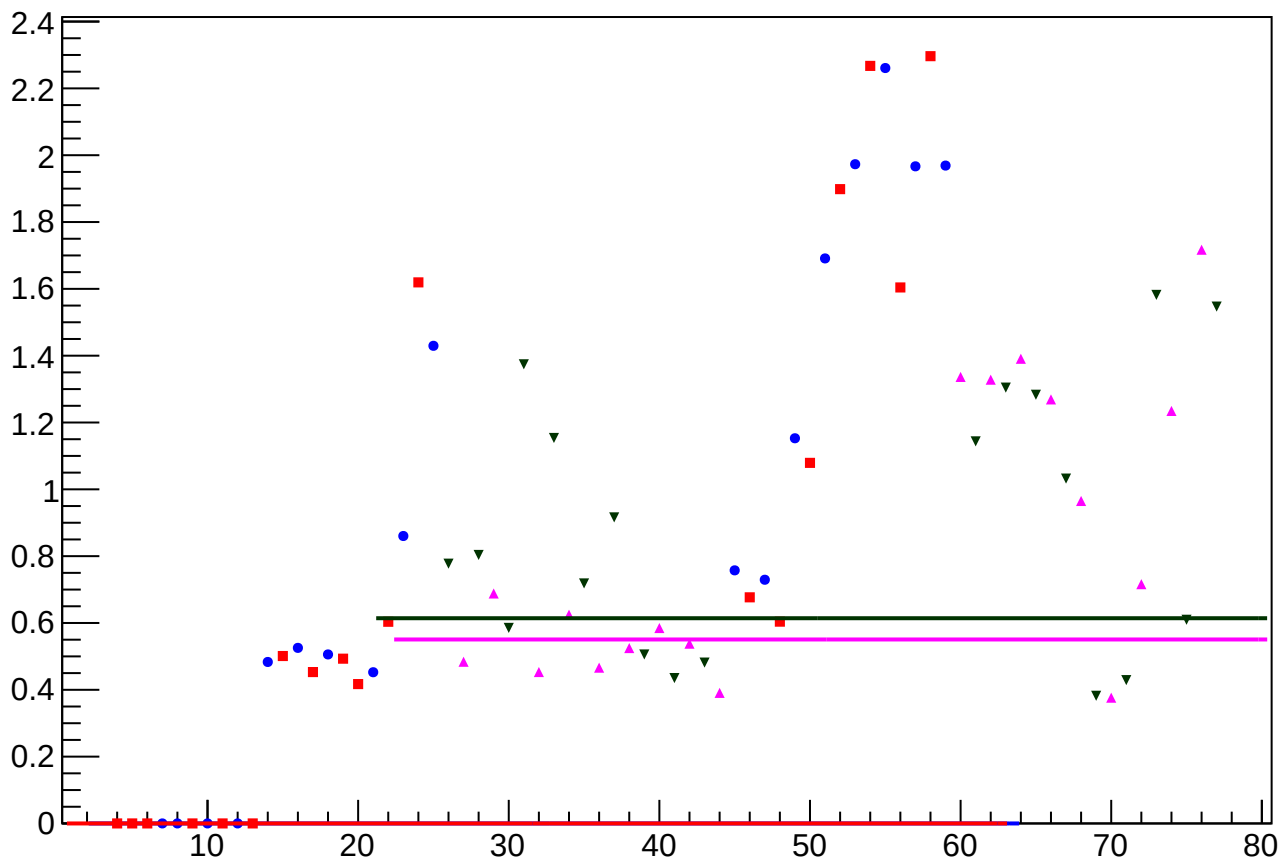
Right Out: -3.606 ± 0.000 $\chi^2/\text{NDF}: 37792758949.6/18$

Left In: 0.093 ± 0.000 $\chi^2/\text{NDF}: 21863388.7/17$

-3.614 ± 0.000 $\chi^2/\text{NDF}: 49334720111.3/36$

-3.606 ± 0.000 $\chi^2/\text{NDF}: 38115292529.5/36$

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 13780215.8/17

Left Out: 0.614+/-0.000 χ^2/NDF : 2765897.3/18

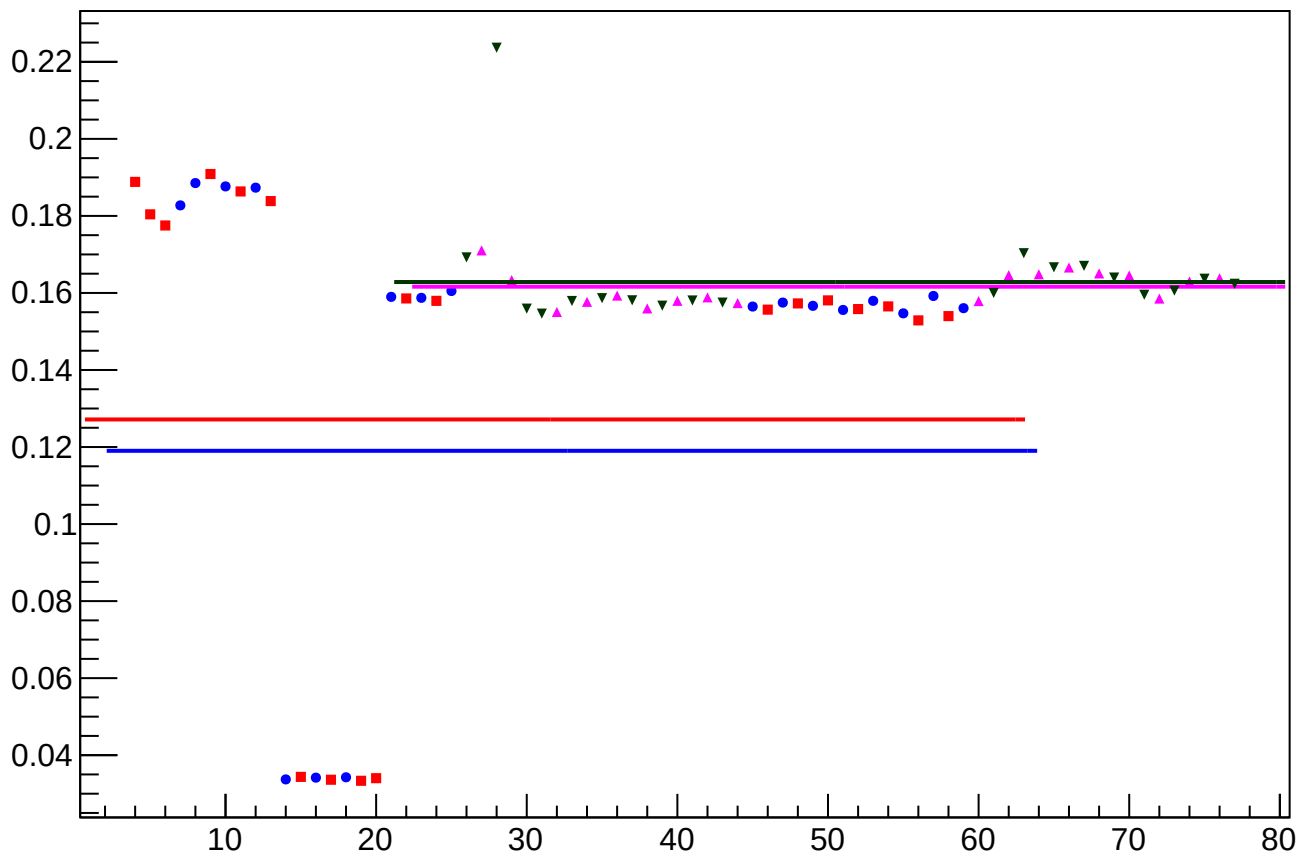
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.551+/-0.000 χ^2/NDF : 2811537.2/17

0.000+/-0.000 χ^2/NDF : 29425799.6/36

0.000+/-0.000 χ^2/NDF : 26664102.5/36

yield_cav4cX_mean vs slug



Right In: 0.119+/-0.000 χ^2/NDF : 4974475463.8/17

Left Out: 0.163+/-0.000 χ^2/NDF : 103035278.1/18

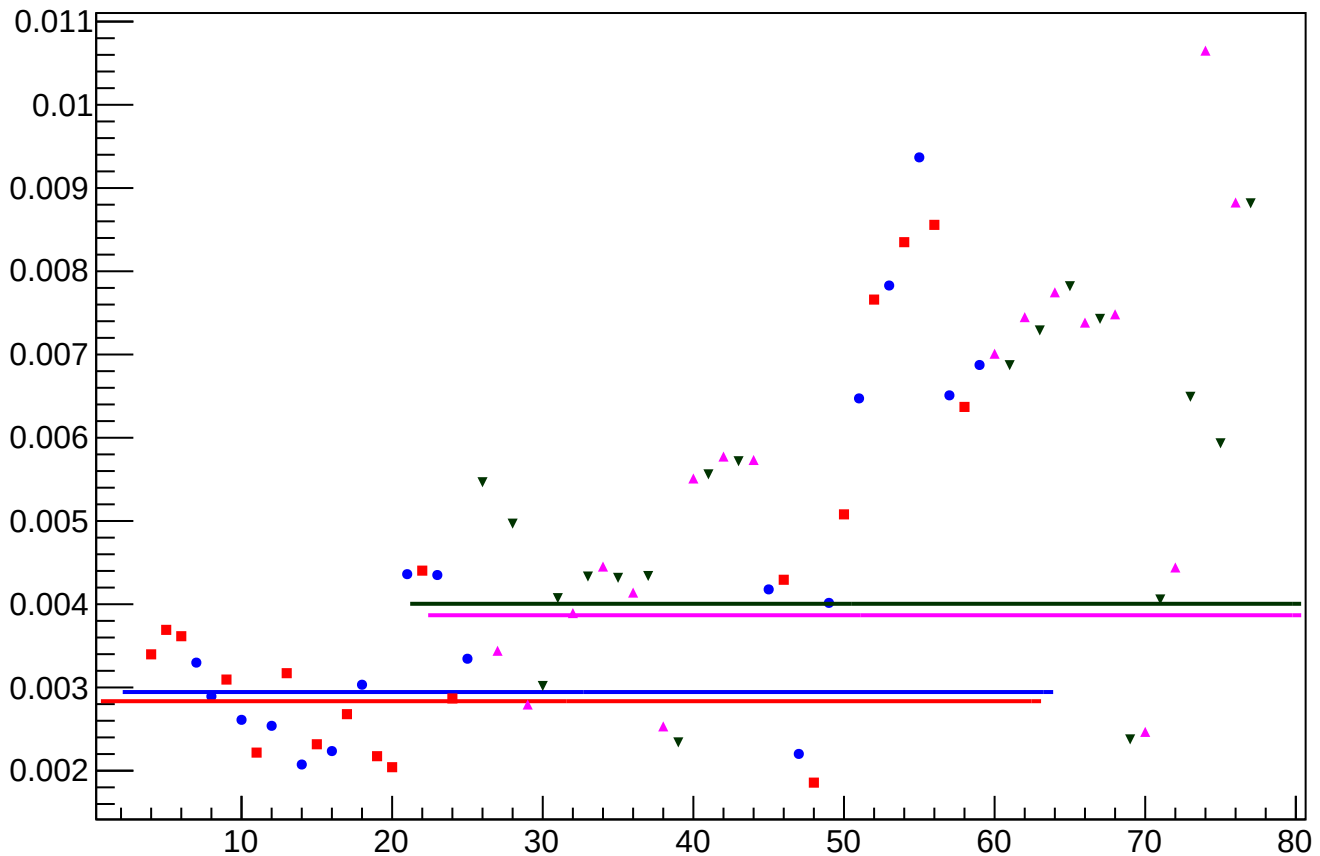
Right Out: 0.127+/-0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.162+/-0.000 χ^2/NDF : 13457785.3/17

0.133+/-0.000 χ^2/NDF : 5731408358.2/36

0.139+/-0.000 χ^2/NDF : 4860209851.5/36

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 2985281.5/17

Left Out: 0.004+/-0.000 χ^2/NDF :2678967.0/18

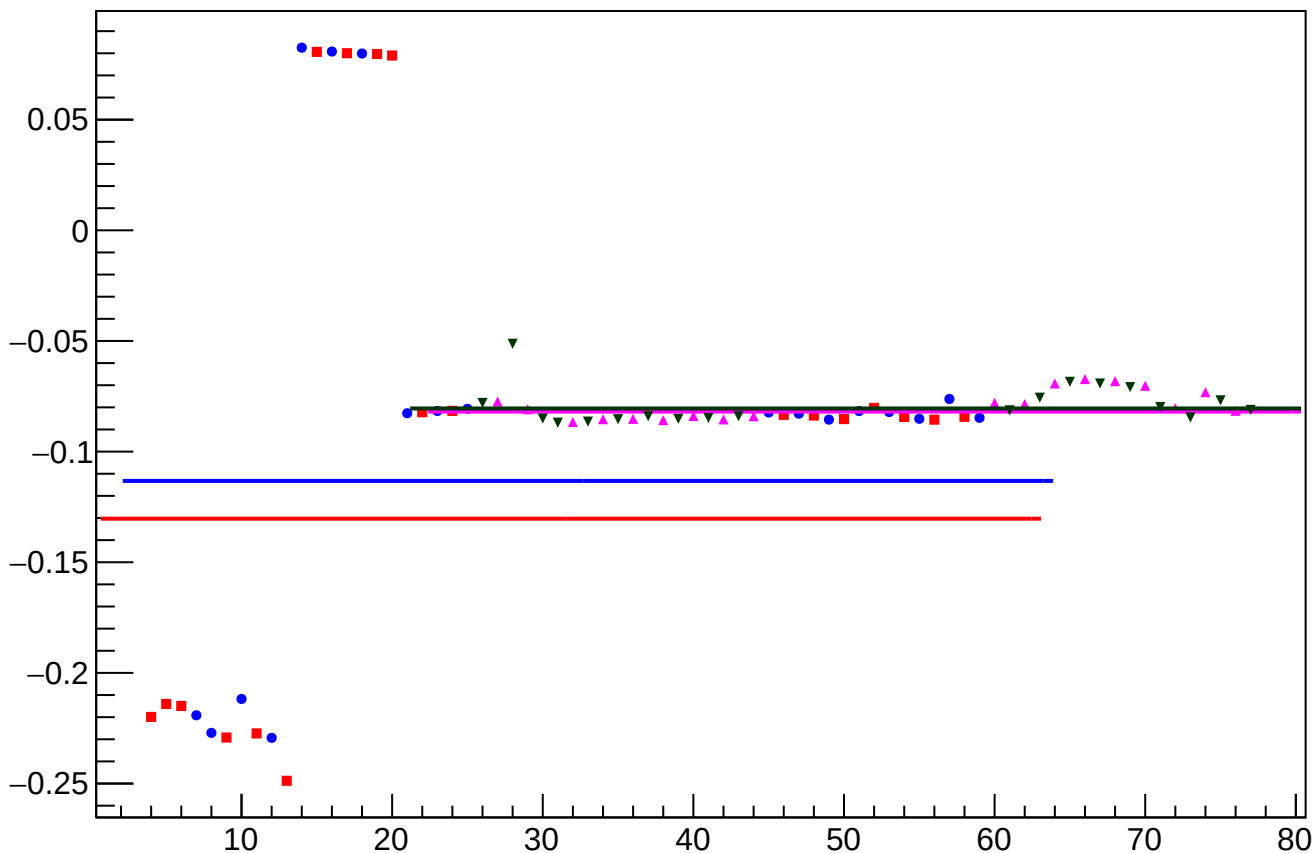
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :2987470.2/17

0.003+/-0.000 χ^2/NDF : 6429617.2/36

0.003+/-0.000 χ^2/NDF : 6438873.8/36

yield_cav4cY_mean vs slug



Right In: -0.113+/-0.000 χ^2/NDF : 9694608559.9/17

Left Out: -0.081+/-0.000 χ^2/NDF : 41979193.1/18

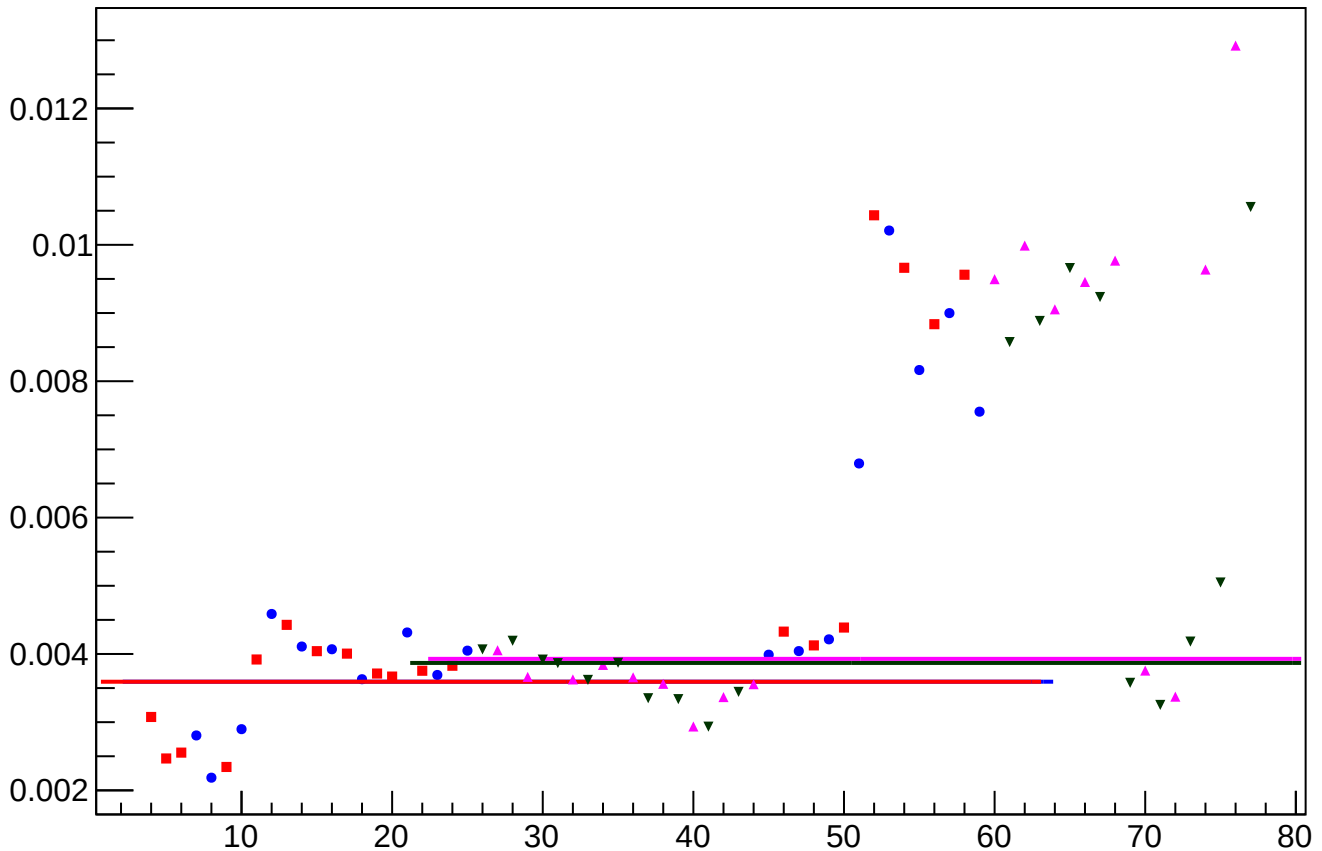
-0.099+/-0.000 χ^2/NDF : 10072895433.0/36

Right Out: -0.130+/-0.000 χ^2/NDF : 8867144829.5/18

-0.108+/-0.000 χ^2/NDF : 9557430736.4/36

Left In: -0.082+/-0.000 χ^2/NDF : 13349013.4/17

yield_cav4cY_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 2636393.6/17

Left Out: 0.004+/-0.000 χ^2/NDF :1777255.3/18

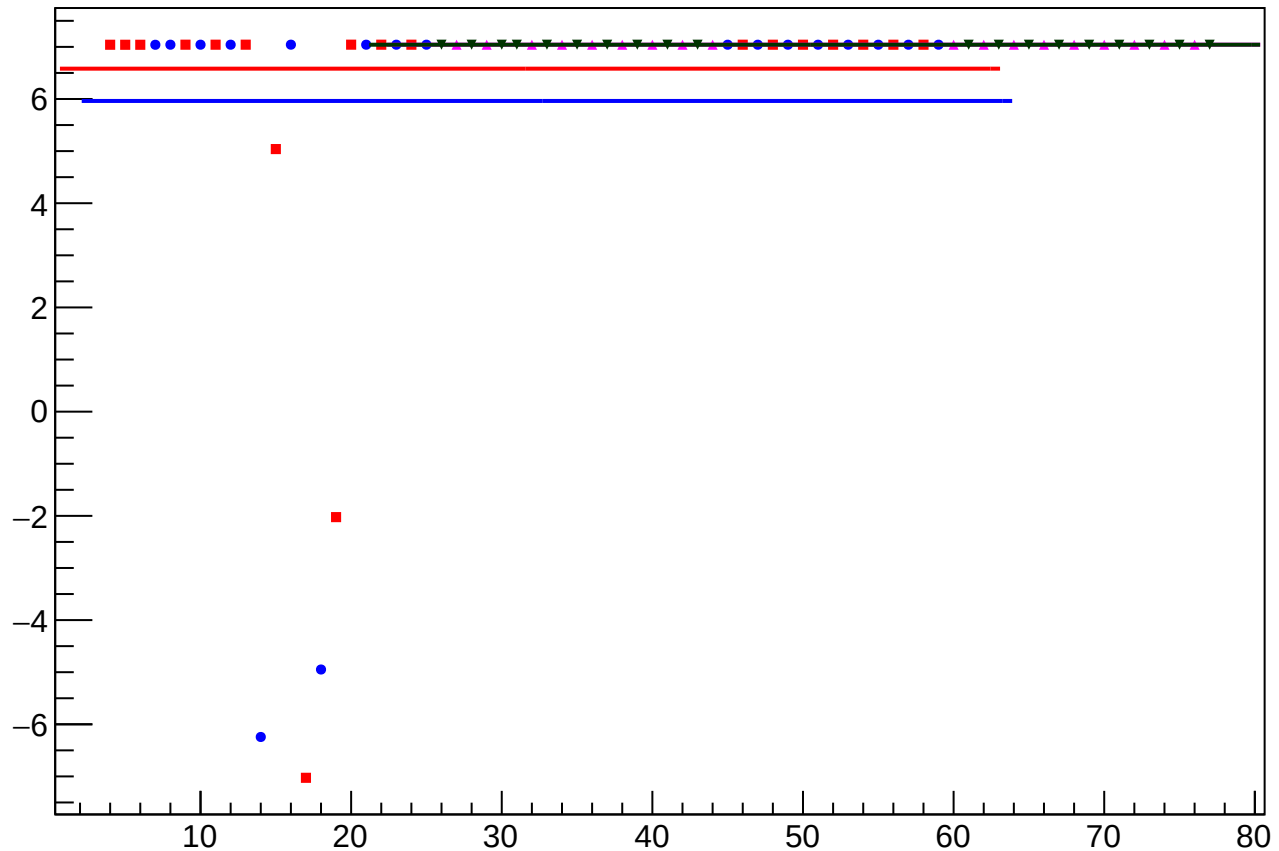
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :2402503.4/17

0.004+/-0.000 χ^2/NDF : 4461177.5/36

0.004+/-0.000 χ^2/NDF : 4692931.1/36

yield_cav4dX_mean vs slug



Right In: 5.962 $\pm$ 0.000 χ^2 /NDF: 4616105002600912.0/17

Left Out: 7.042 $\pm$ 0.000 χ^2 /NDF: 11960400.2/18

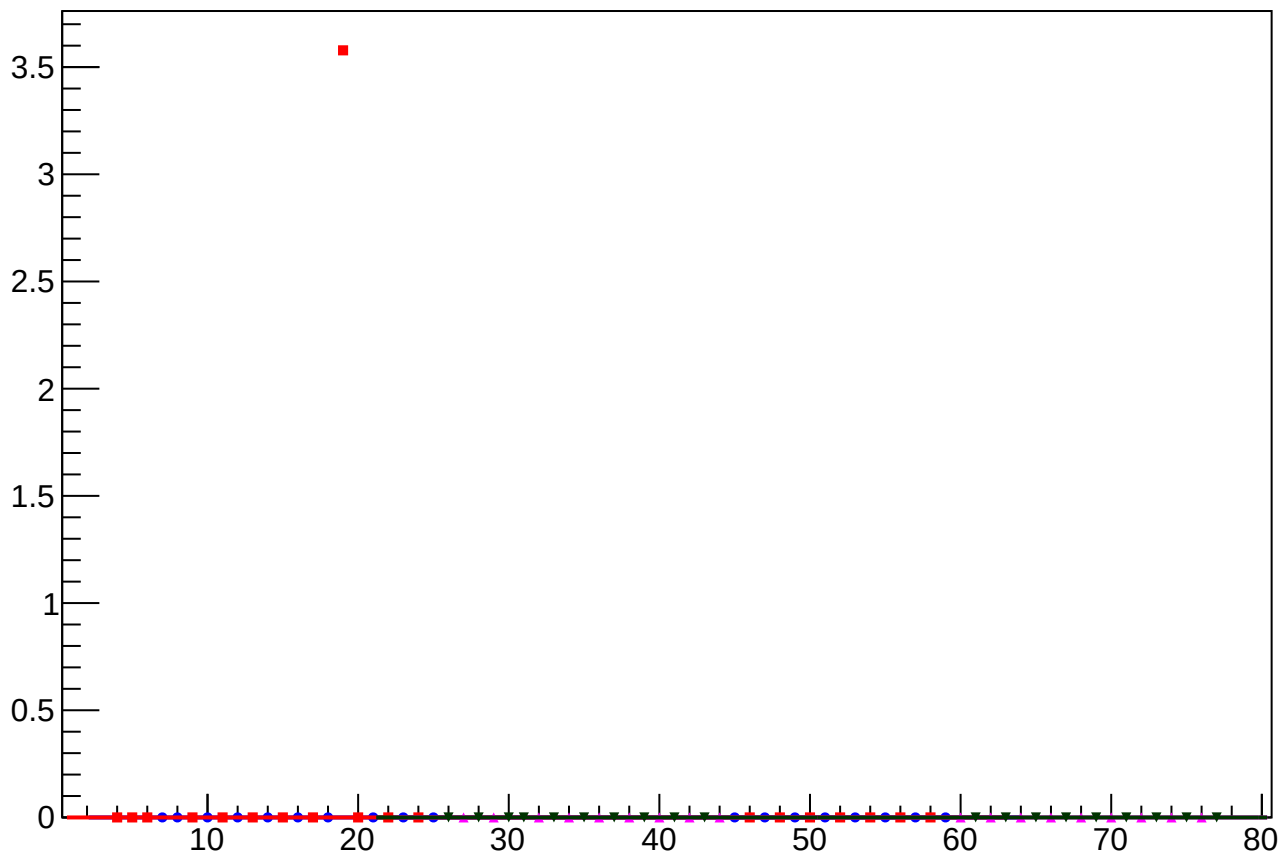
6.514 $\pm$ 0.000 χ^2 /NDF: 4828714402735067.0/3

Right Out: 6.582 $\pm$ 0.000 χ^2 /NDF: 1856853993700647.2/18

6.839 $\pm$ 0.000 χ^2 /NDF: 1892960457788868.8/3

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 12195429.6/17

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4282.3/17

Left Out: 0.000+/-0.000 χ^2/NDF :1834.8/18

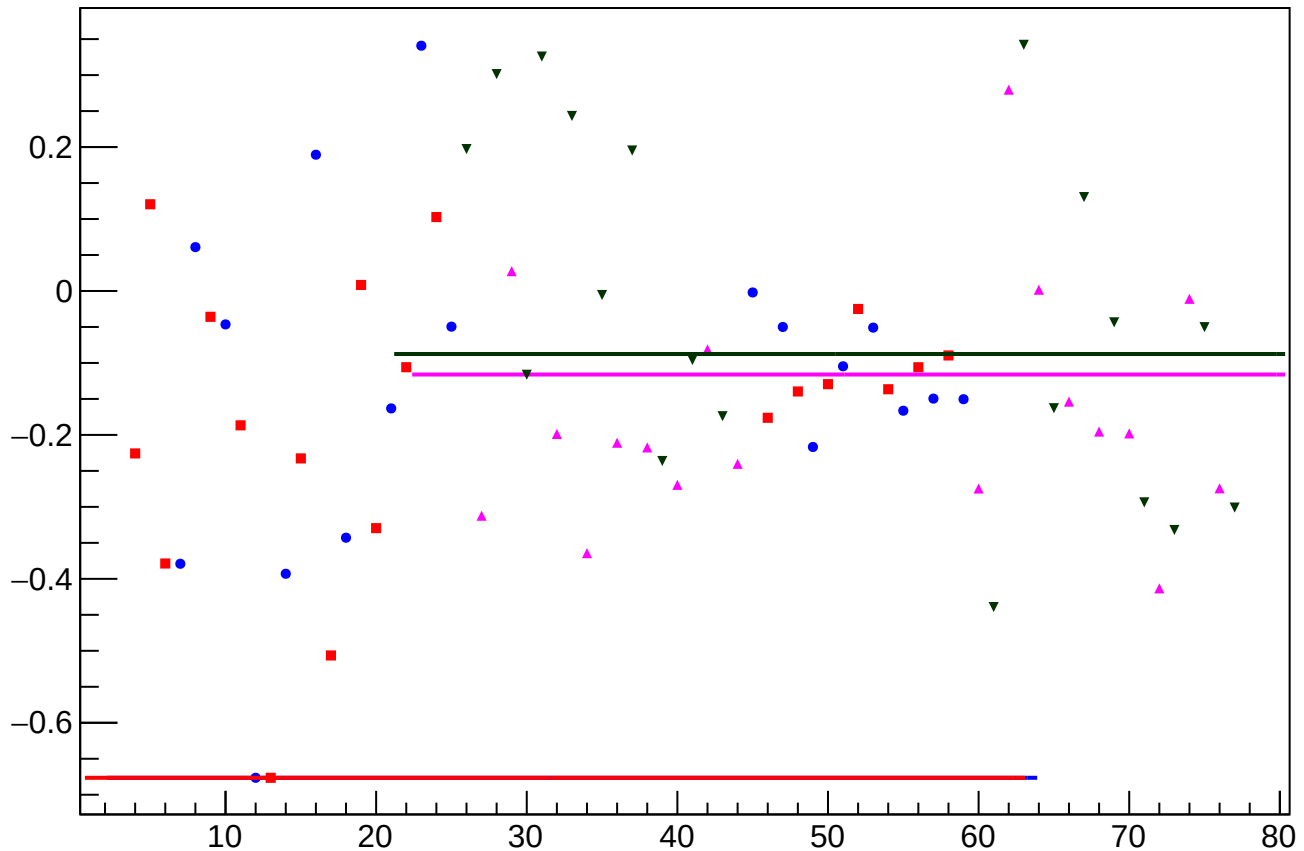
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF :2417.0/17

0.000+/-0.000 χ^2/NDF : 7989.8/36

0.000+/-0.000 χ^2/NDF : 703097.6/36

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 266364367.2/17

Left Out: -0.088+/-0.000 χ^2/NDF : 36726599.4/18

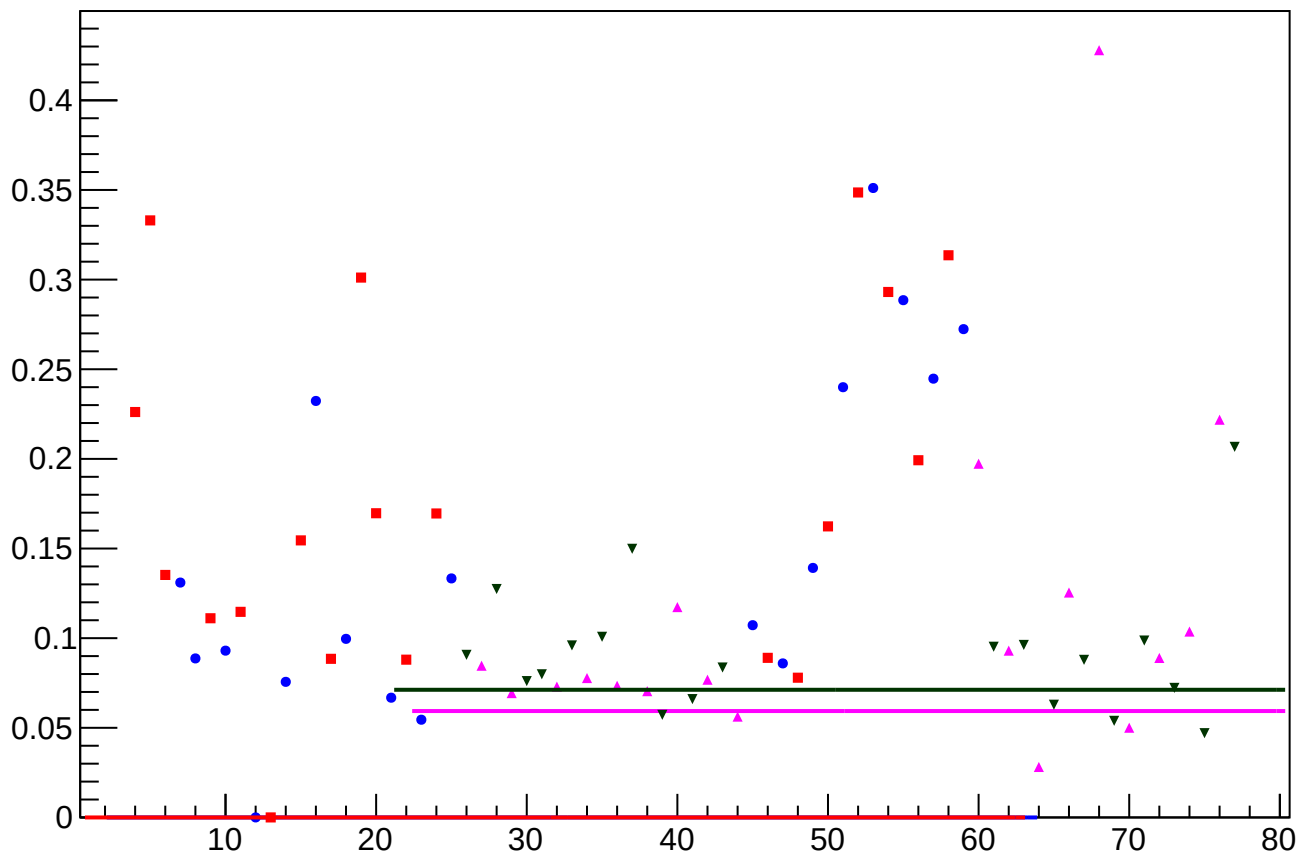
-0.676+/-0.000 χ^2/NDF : 684881808.3/36

Right Out: -0.676+/-0.000 χ^2/NDF : 102004552.0/18

-0.676+/-0.000 χ^2/NDF : 612410921.4/36

Left In: -0.116+/-0.000 χ^2/NDF : 29551099.3/17

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16187995.6/17

Left Out: 0.071+/-0.000 χ^2/NDF :1335882.2/18

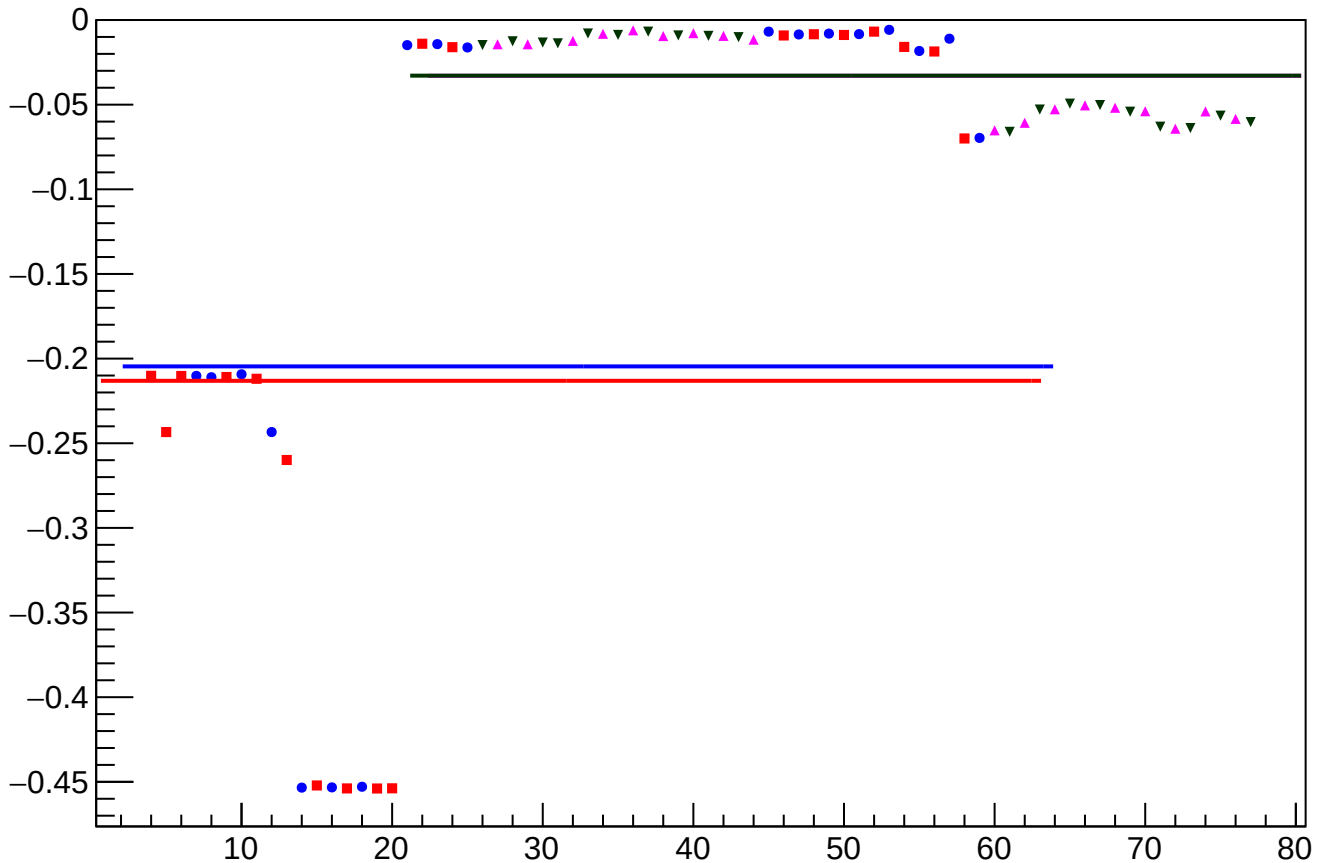
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.059+/-0.000 χ^2/NDF :3546904.1/17

0.000+/-0.000 χ^2/NDF : 28686345.0/36

0.000+/-0.000 χ^2/NDF : 28089588.7/36

yield_bpm4aX_mean vs slug



Right In: -0.205+/-0.000 χ^2/NDF : 5539981697.6/17

Left Out: -0.033+/-0.000 χ^2/NDF : 62243371.5/18

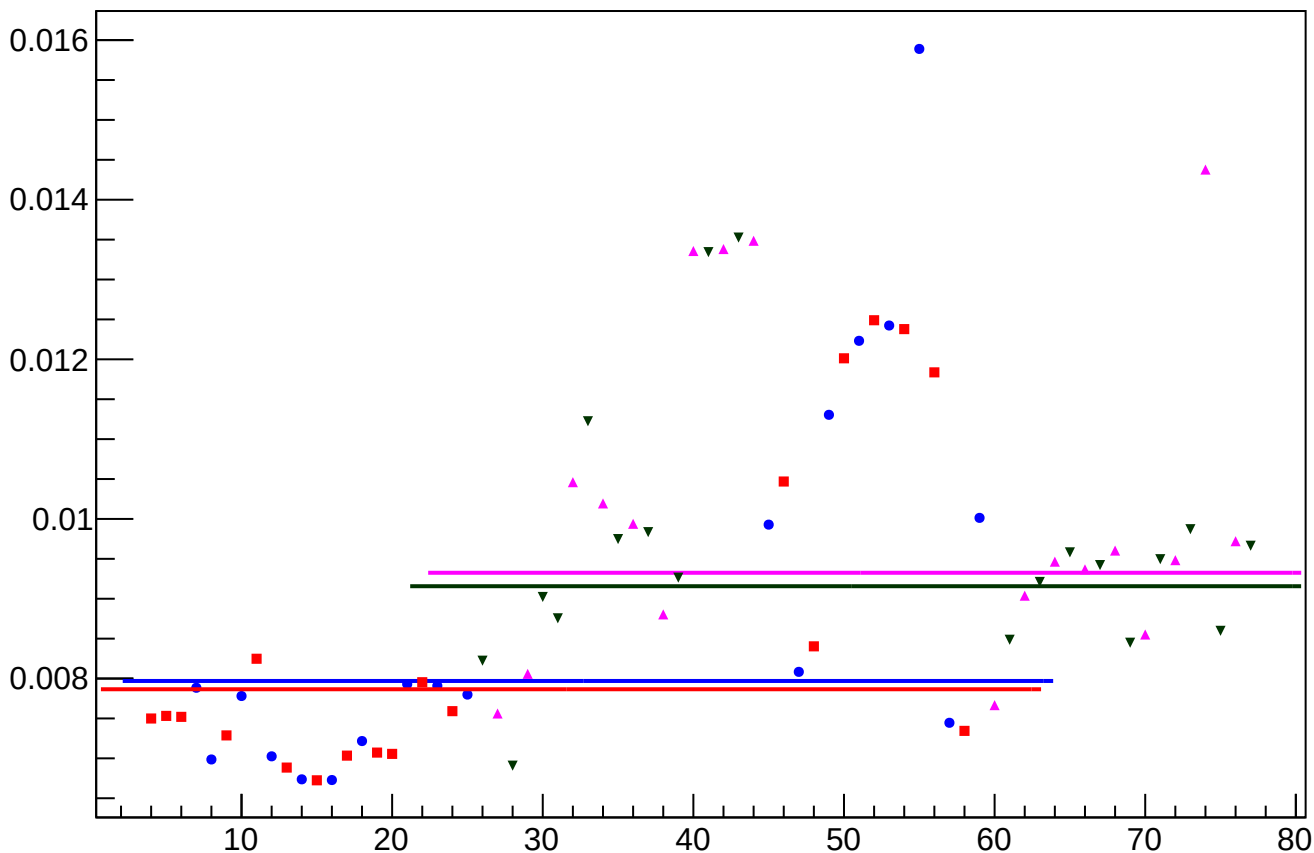
-0.135+/-0.000 χ^2/NDF : 7595004385.3/36

Right Out: -0.213+/-0.000 χ^2/NDF : 4142455601.5/18

-0.137+/-0.000 χ^2/NDF : 6306665482.0/36

Left In: -0.033+/-0.000 χ^2/NDF : 60188223.2/17

yield_bpm4aX_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 943742.9/17

Left Out: 0.009+/-0.000 χ^2/NDF :438806.5/18

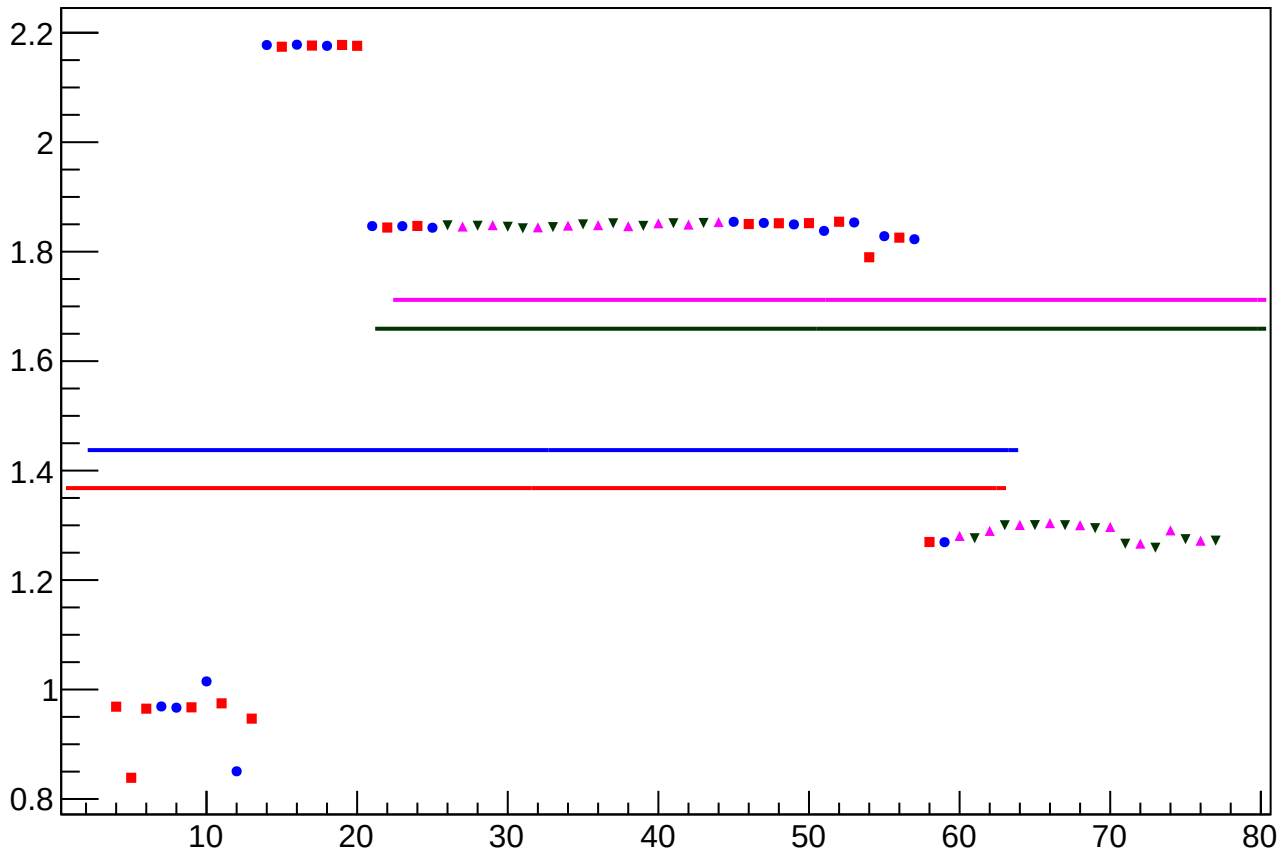
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.009+/-0.000 χ^2/NDF :619914.6/17

0.008+/-0.000 χ^2/NDF : 1573028.8/36

0.008+/-0.000 χ^2/NDF : 1592392.7/36

yield_bpm4aY_mean vs slug



Right In: 1.437+/-0.000 χ^2/NDF : 14236590294.3/17

Left Out: 1.659+/-0.000 χ^2/NDF : 3007620147.3/18

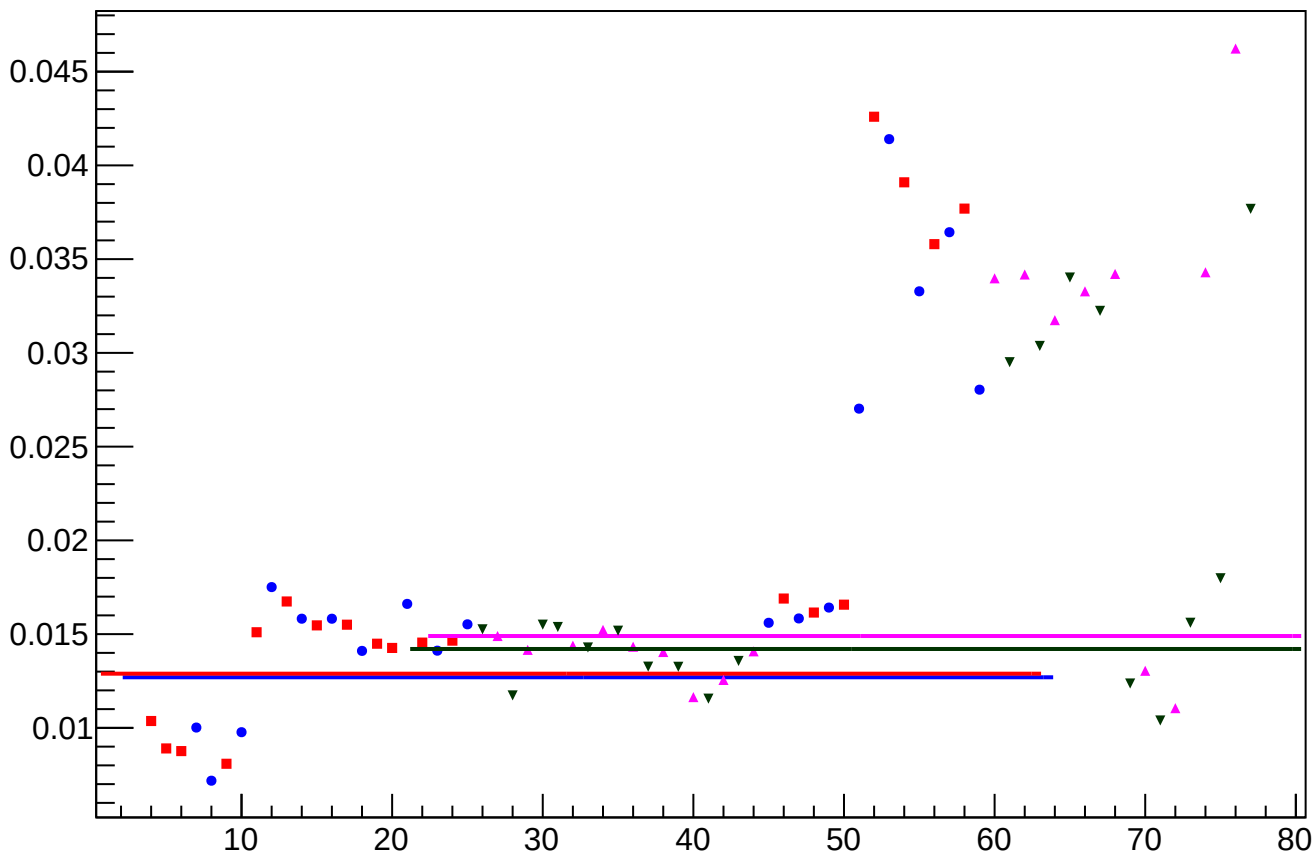
1.533+/-0.000 χ^2/NDF : 18402775987.6/36

Right Out: 1.368+/-0.000 χ^2/NDF : 12592500418.8/18

1.518+/-0.000 χ^2/NDF : 17270543525.7/36

Left In: 1.712+/-0.000 χ^2/NDF : 2185423666.1/17

yield_bpm4aY_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 3534875.5/17

Left Out: 0.014+/-0.000 χ^2/NDF :1733835.3/18

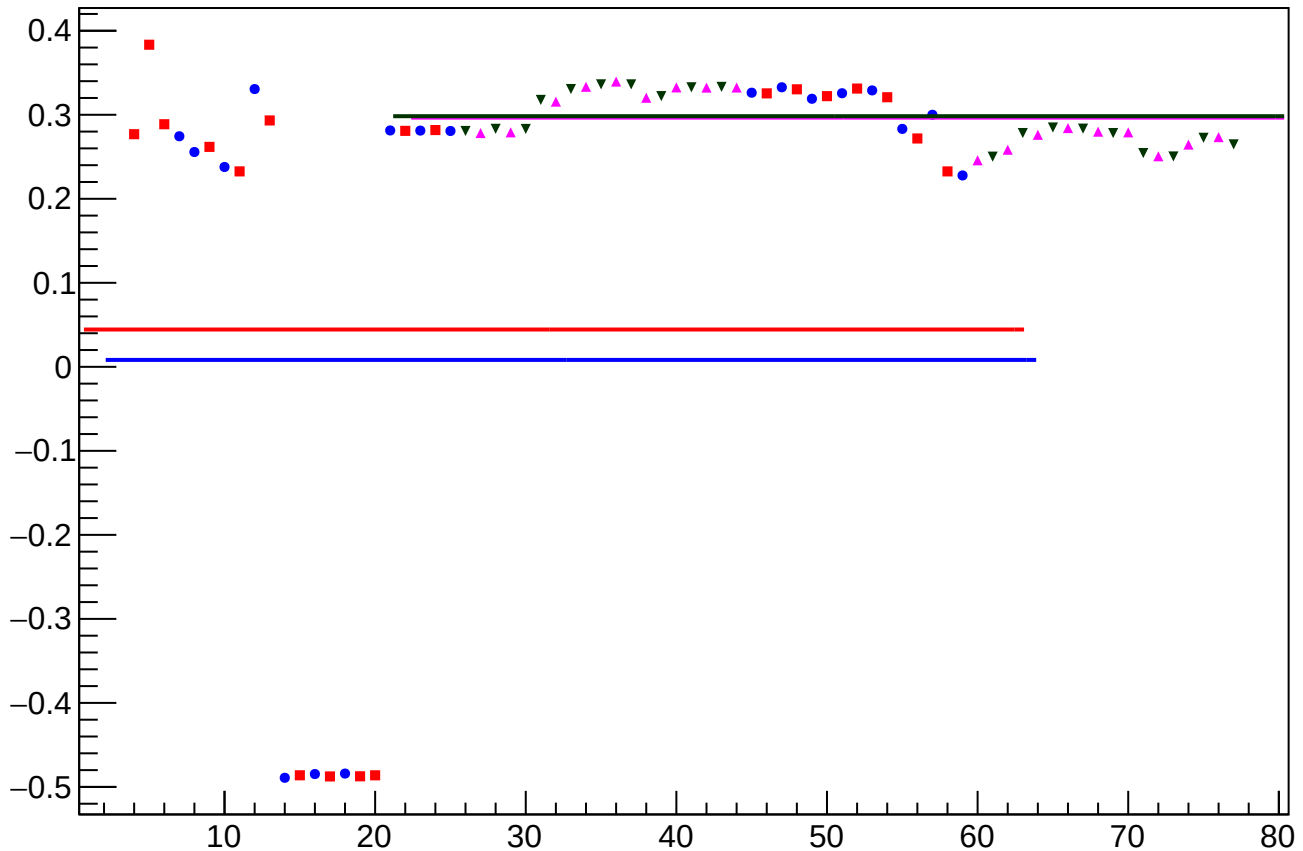
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.015+/-0.000 χ^2/NDF :2231042.3/17

0.013+/-0.000 χ^2/NDF : 5376025.5/36

0.014+/-0.000 χ^2/NDF : 5215692.5/36

yield_bpm4eX_mean vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 3589016563.4/17

Left Out: 0.298+/-0.000 χ^2/NDF : 14225851.4/18

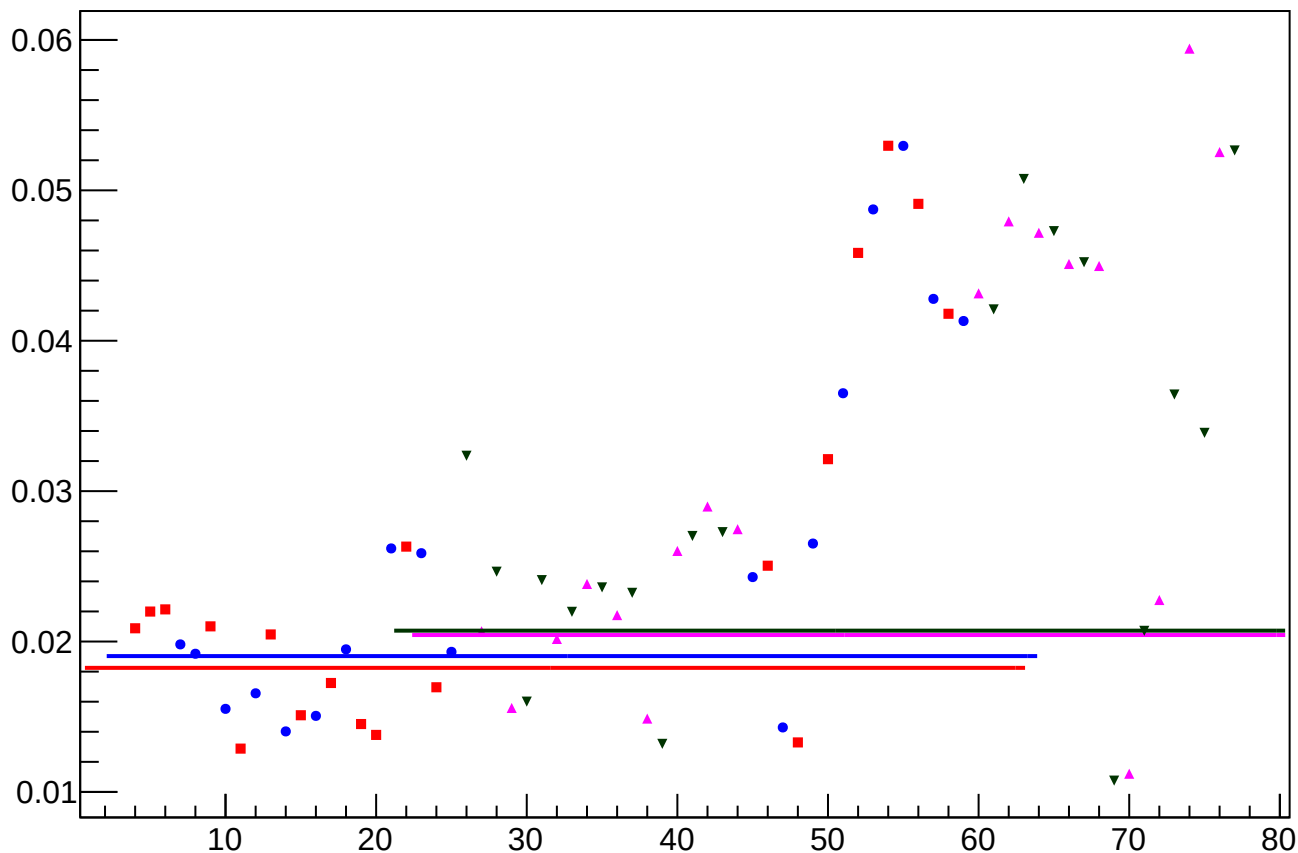
0.128+/-0.000 χ^2/NDF : 4495887027.3/36

Right Out: 0.044+/-0.000 χ^2/NDF : 3156873410.8/18

0.153+/-0.000 χ^2/NDF : 3852257635.9/36

Left In: 0.297+/-0.000 χ^2/NDF : 13214658.8/17

yield_bpm4eX_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2594784.8/17

Left Out: 0.021+/-0.000 χ^2/NDF : 3305345.6/18

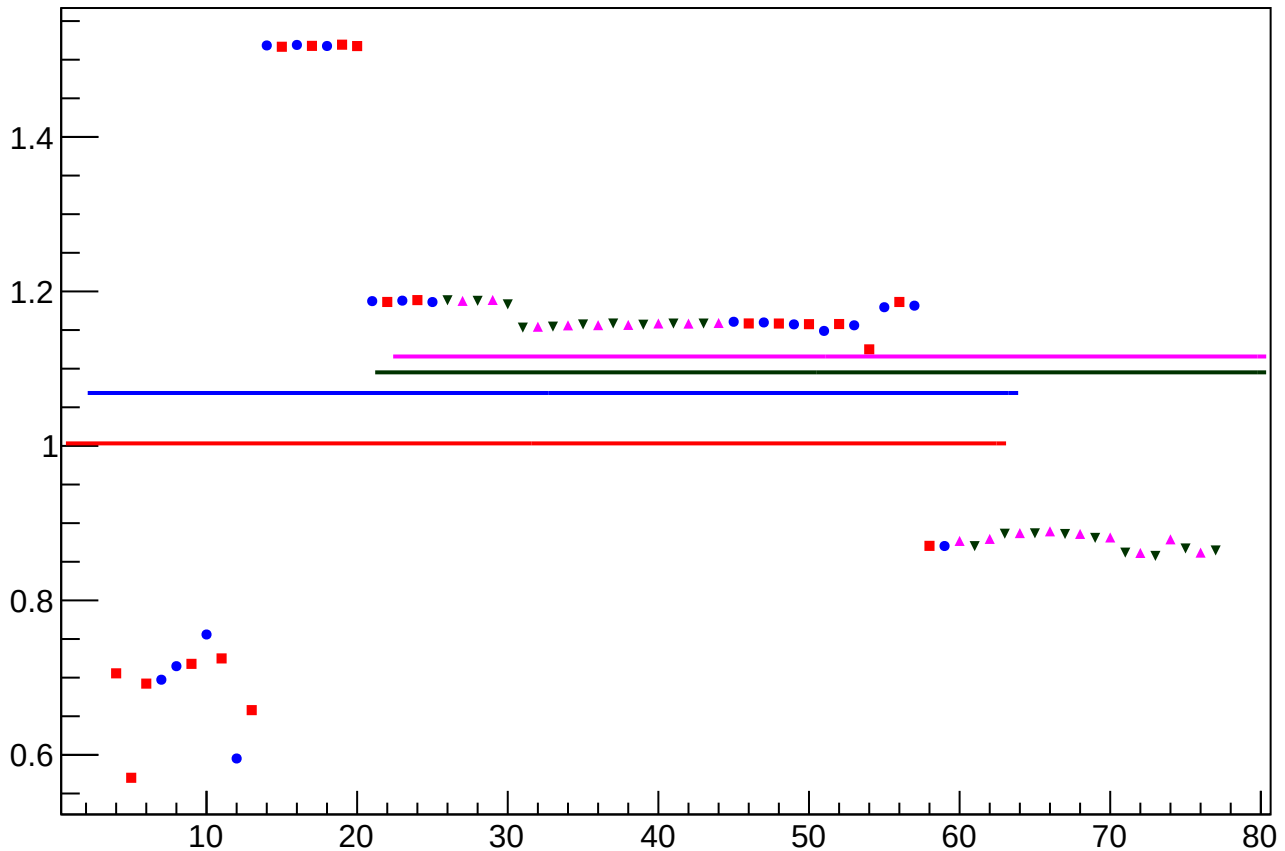
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.020+/-0.000 χ^2/NDF : 3424411.7/17

0.020+/-0.000 χ^2/NDF : 5960829.6/36

0.019+/-0.000 χ^2/NDF : 6012012.4/36

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

Left Out: 1.095+/-0.000 χ^2/NDF :1418612162.2/18

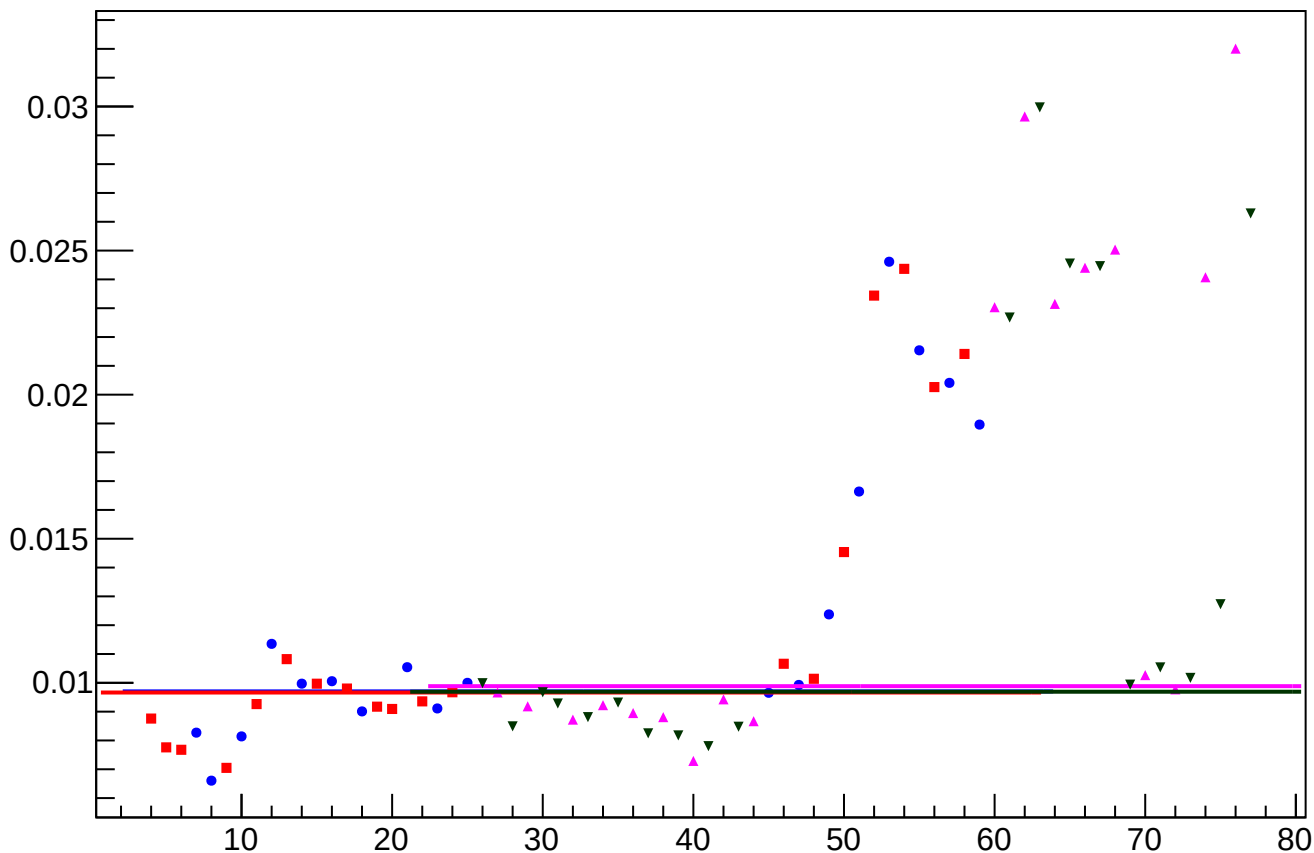
1.081+/-0.000 χ^2/NDF : 12000588015.2/36

Right Out: 1.003+/-0.000 χ^2/NDF : 10291656361.5/18

1.057+/-0.000 χ^2/NDF : 11846315770.8/36

Left In: 1.116+/-0.000 χ^2/NDF :1002494747.1/17

yield_bpm4eY_rms vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 1905622.6/17

Left Out: 0.010+/-0.000 χ^2/NDF :1916526.9/18

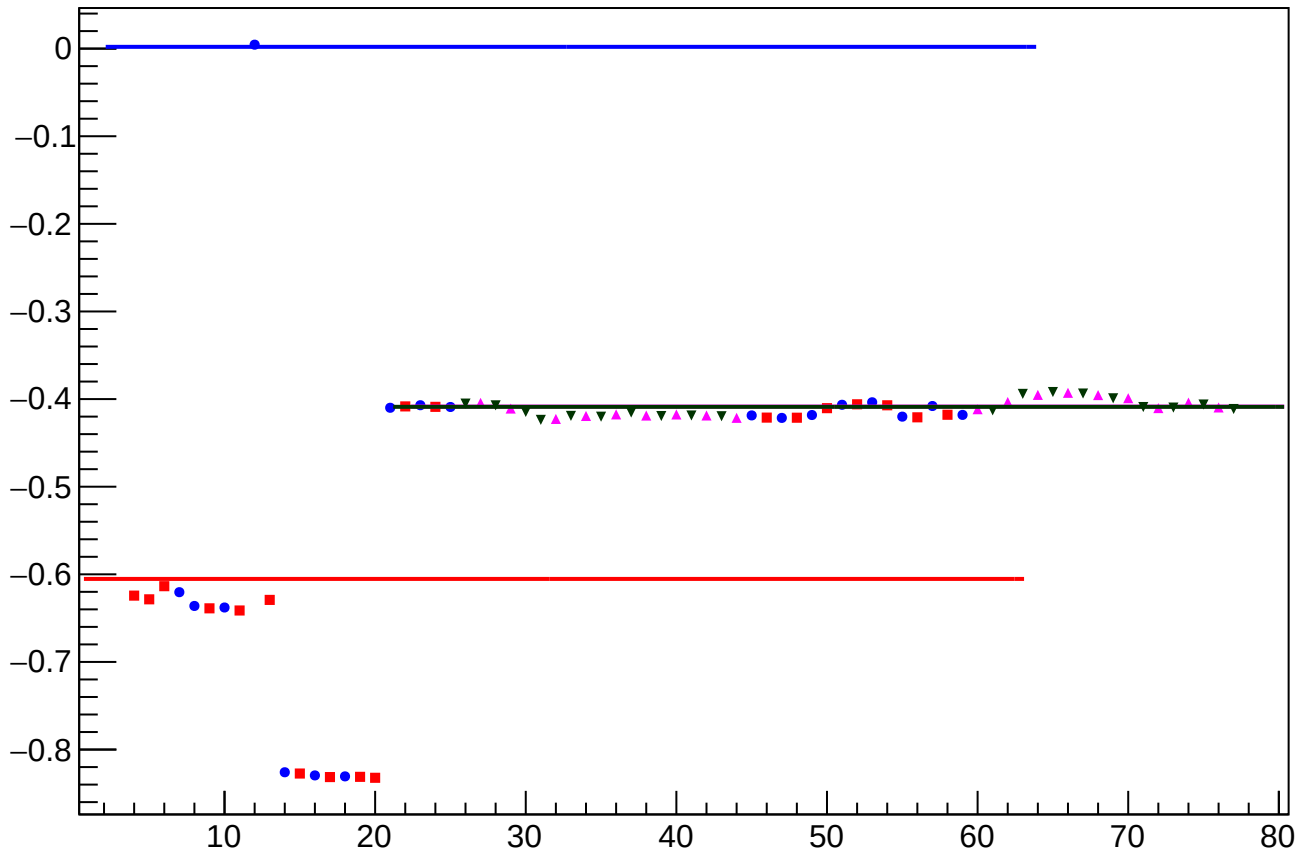
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.010+/-0.000 χ^2/NDF :2476566.7/17

0.010+/-0.000 χ^2/NDF : 3822162.3/36

0.010+/-0.000 χ^2/NDF : 4077816.8/36

yield_bpm4acX_mean vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 59749781854.5/17

Left Out: -0.409 $\pm$ 0.000 χ^2 /NDF: 9307109.1/18

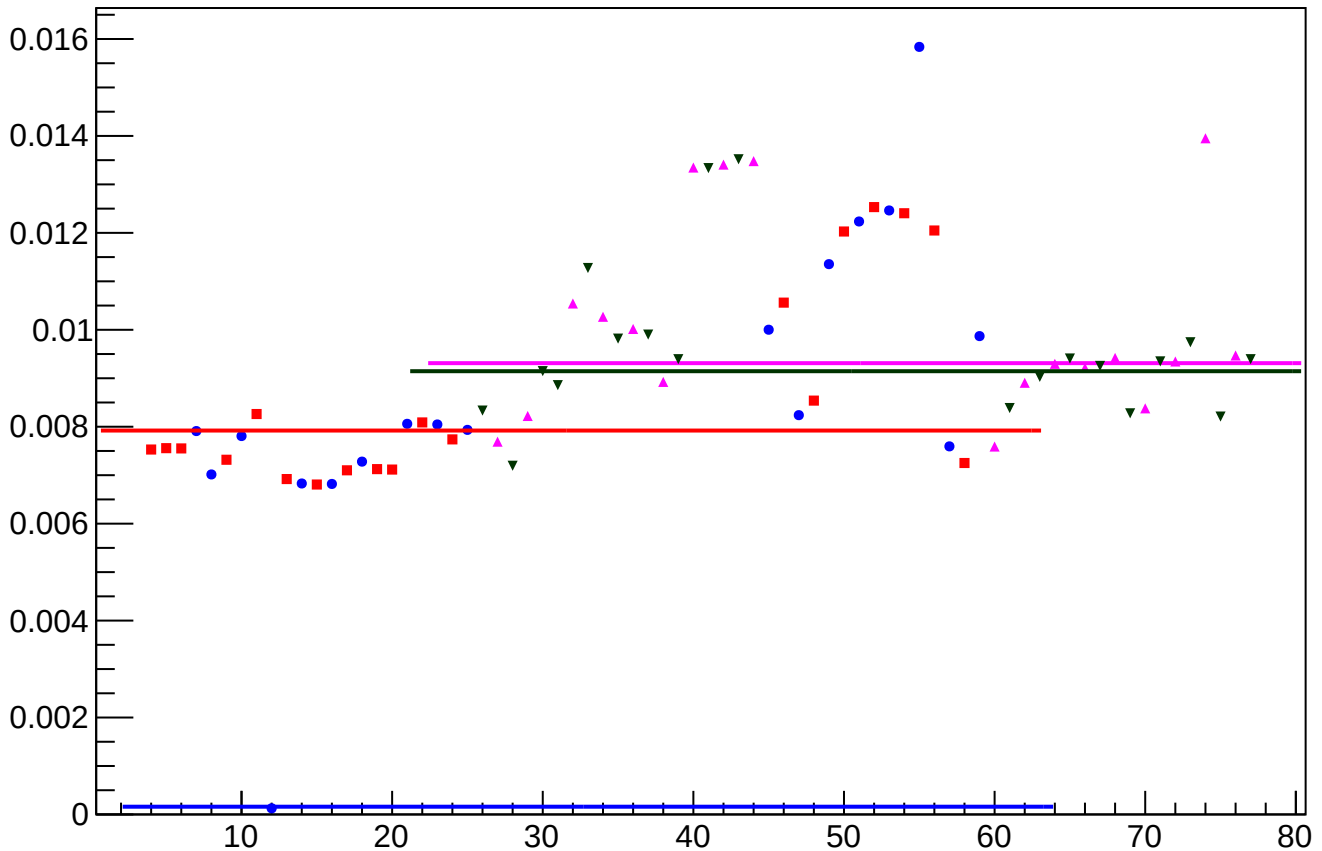
0.001 $\pm$ 0.000 χ^2 /NDF: 78948162113.9/36

Right Out: -0.605 $\pm$ 0.000 χ^2 /NDF: 3819629229.5/18

-0.521 $\pm$ 0.000 χ^2 /NDF: 6328868392.8/36

Left In: -0.409 $\pm$ 0.000 χ^2 /NDF: 9089245.8/17

yield_bpm4acX_rms vs slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20262517.7/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:405131.8/18

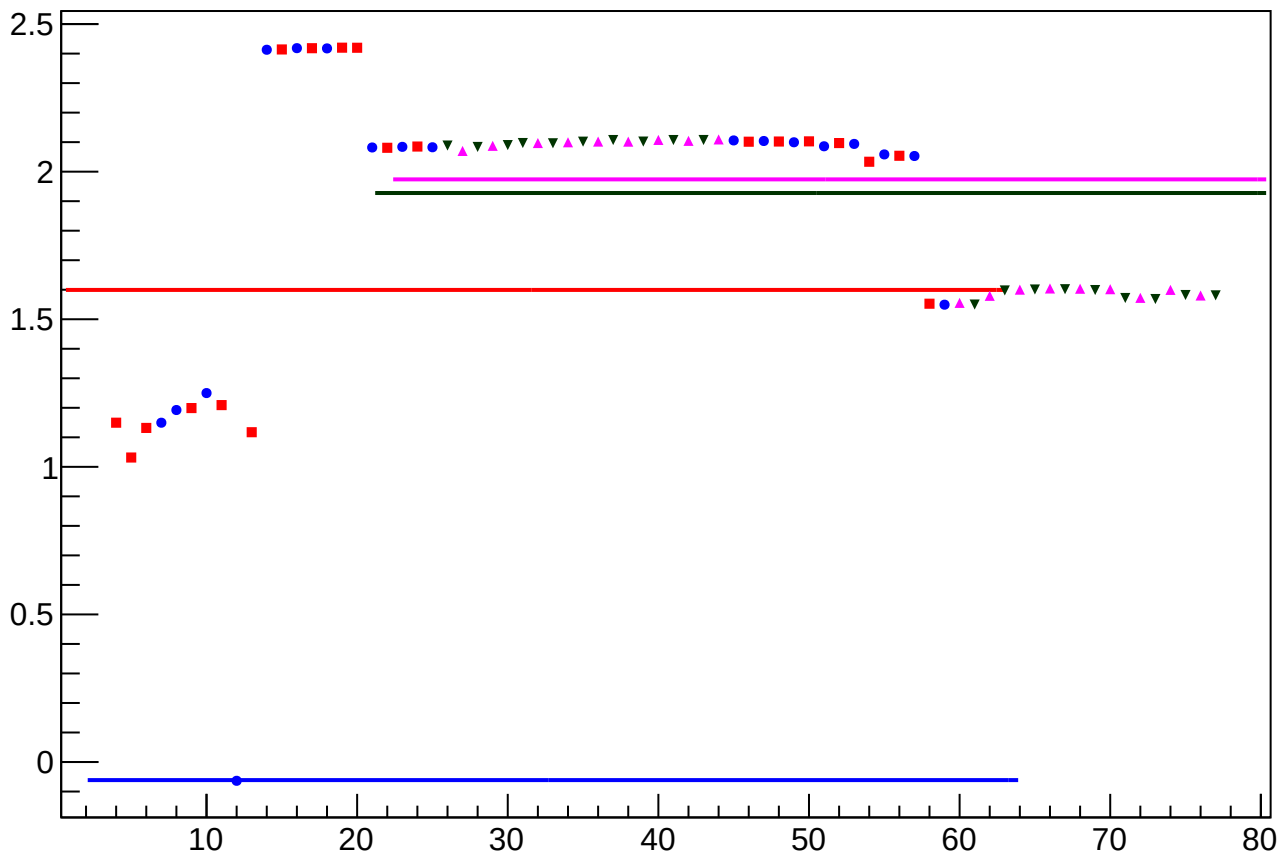
0.000 $\pm$ 0.000 χ^2 /NDF: 39023820.8/36

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 697414.3/18

0.009 $\pm$ 0.000 χ^2 /NDF: 1541015.3/36

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:593751.6/17

yield_bpm4acY_mean vs slug



Right In: -0.061+/-0.000 χ^2/NDF : 171003968524.2/17

Left Out: 1.928+/-0.000 χ^2/NDF :2379941671.5/18

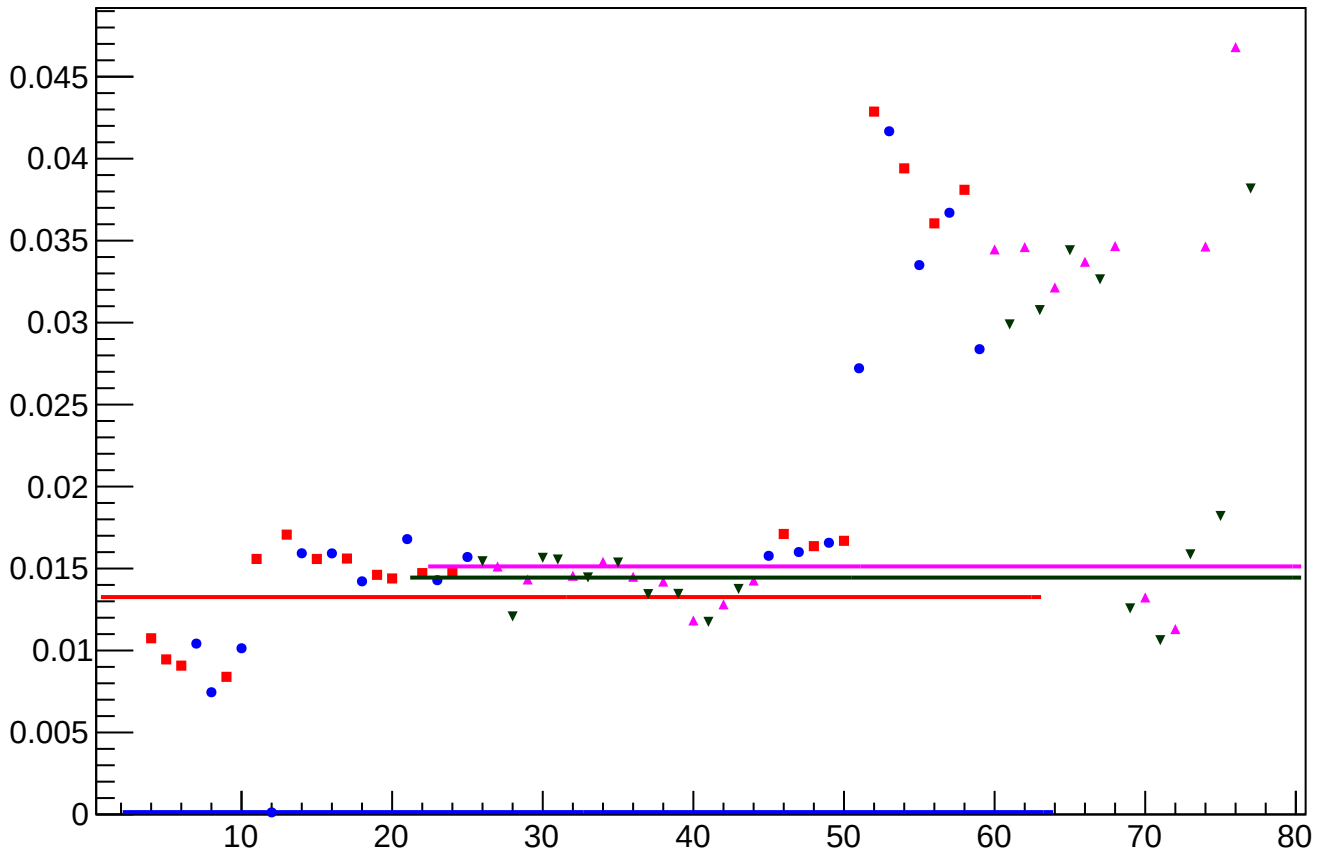
Right Out: 1.599+/-0.000 χ^2/NDF : 13096029057.2/18

Left In: 1.974+/-0.000 χ^2/NDF :1725455705.7/17

-0.059+/-0.000 χ^2/NDF : 331878122371.1/36

1.765+/-0.000 χ^2/NDF : 17662909359.4/36

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19632783.5/17

Left Out: 0.014+/-0.000 χ^2/NDF :1709835.9/18

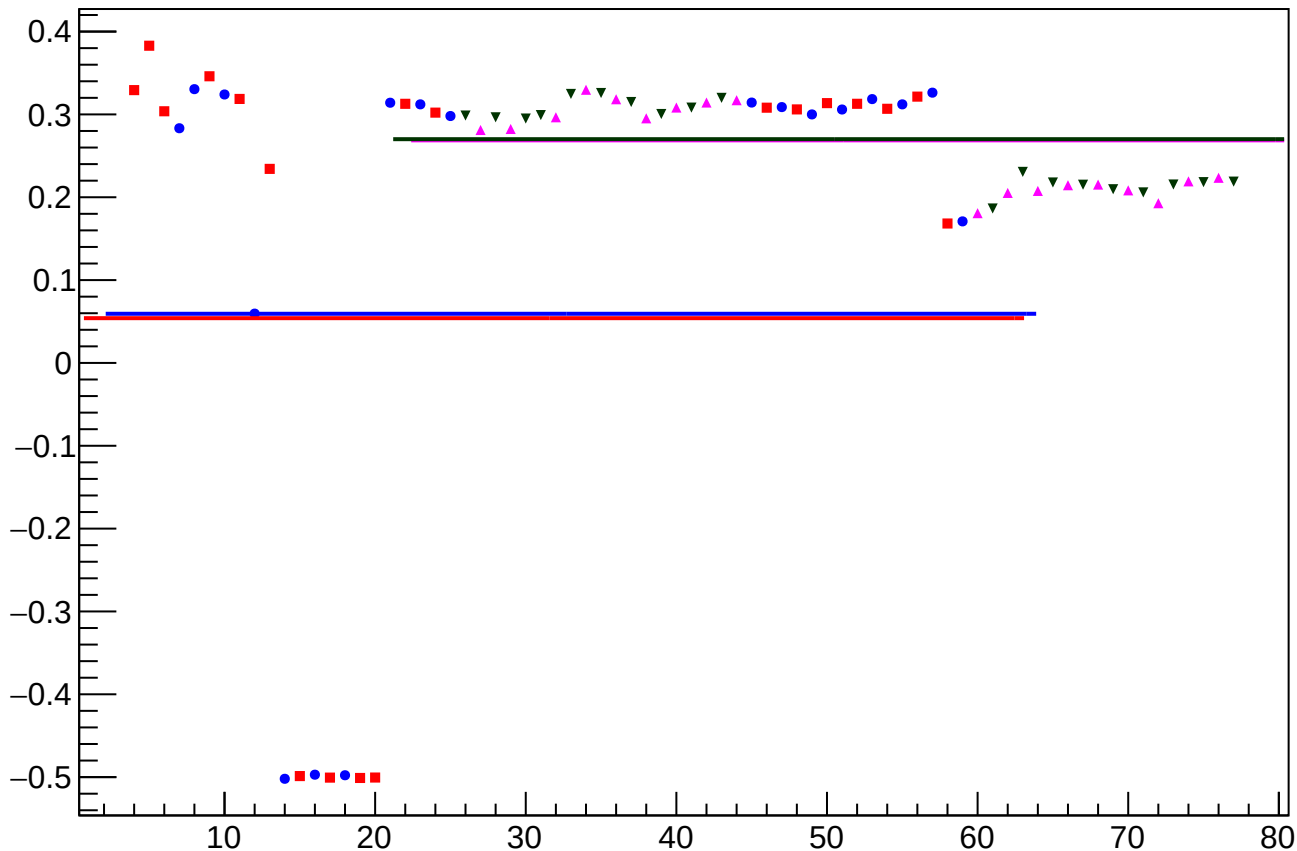
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.015+/-0.000 χ^2/NDF :2217040.9/17

0.000+/-0.000 χ^2/NDF : 37739407.6/36

0.014+/-0.000 χ^2/NDF : 5048856.3/36

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3888801914.2/17

Left Out: 0.270+/-0.000 χ^2/NDF : 40098943.7/18

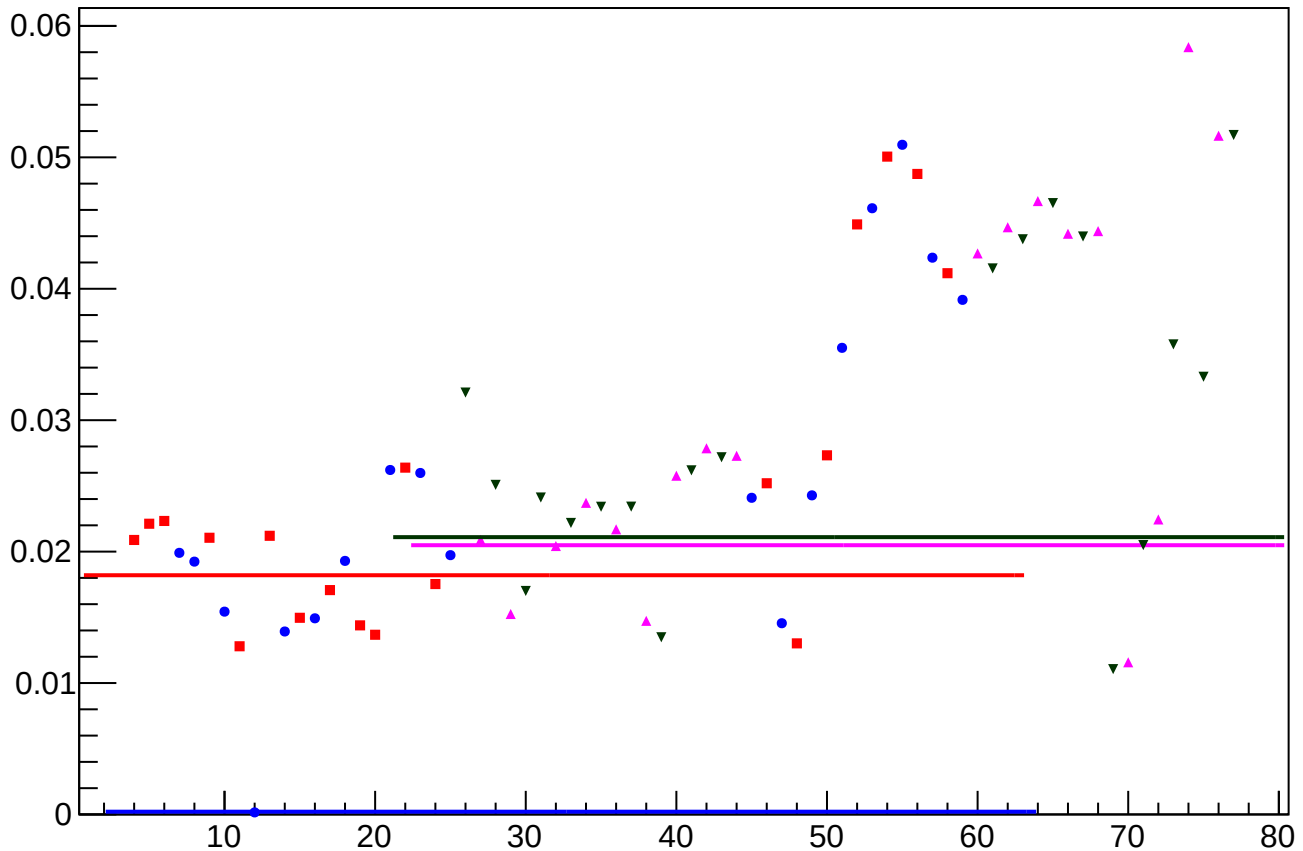
Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

Left In: 0.269+/-0.000 χ^2/NDF : 37410192.4/17

0.060+/-0.000 χ^2/NDF : 4715531855.6/36

0.146+/-0.000 χ^2/NDF : 4045562380.5/36

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19749394.2/17

Left Out: 0.021+/-0.000 χ^2/NDF :3020040.8/18

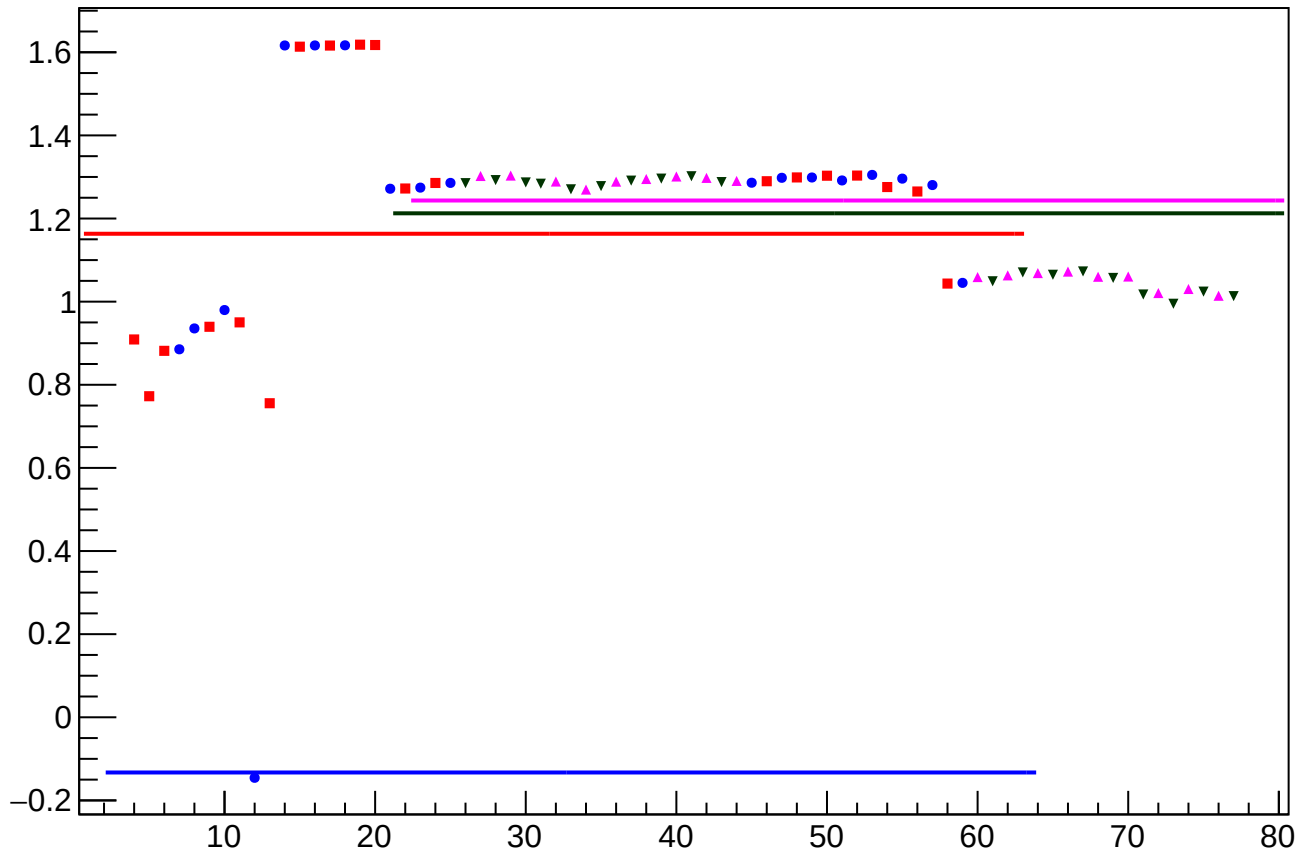
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.020+/-0.000 χ^2/NDF :3288987.8/17

0.000+/-0.000 χ^2/NDF : 38226682.3/36

0.019+/-0.000 χ^2/NDF : 5824397.9/36

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 169320914657.8/17

Left Out: 1.213+/-0.000 χ^2/NDF :1012866379.1/18

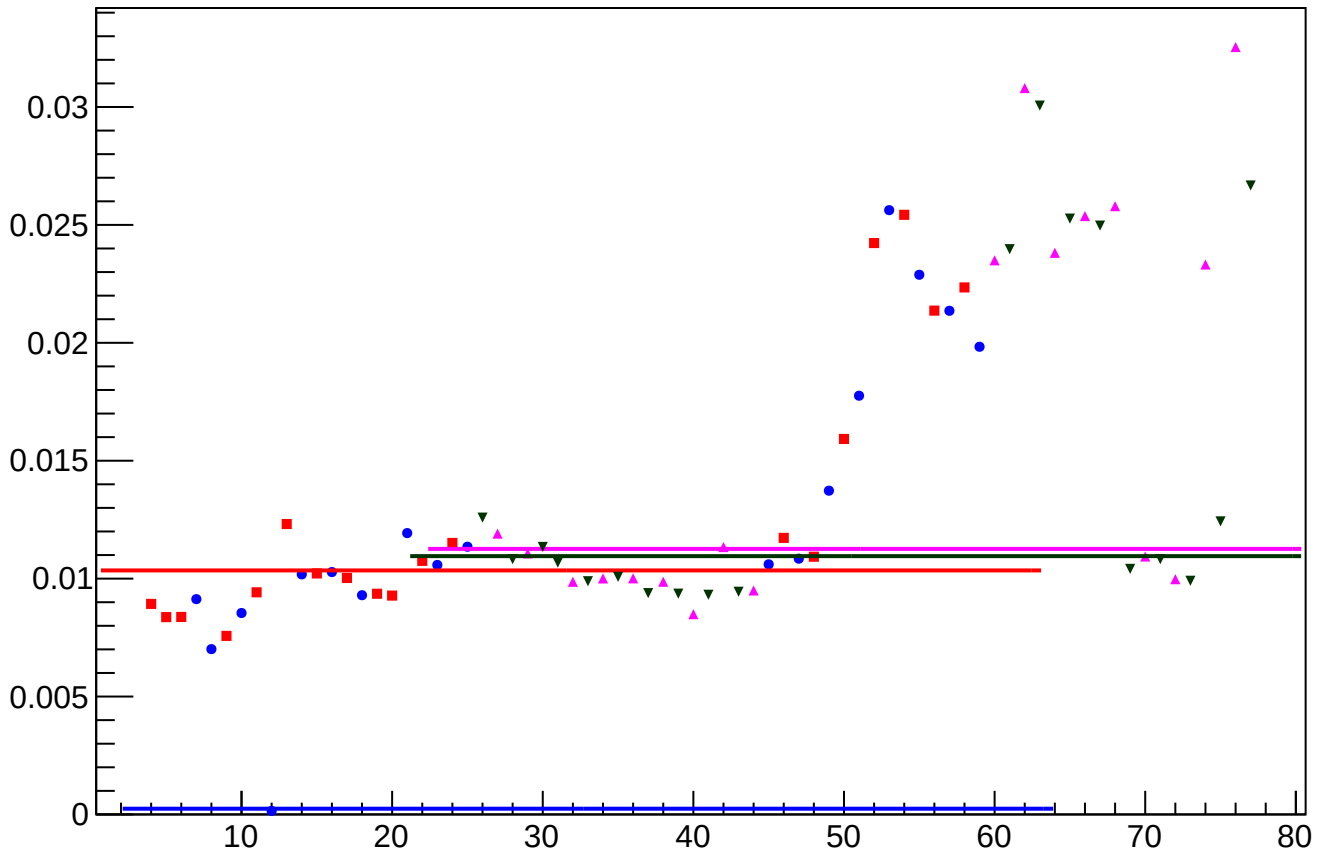
-0.123+/-0.000 χ^2/NDF : 297138590890.5/36

Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

1.199+/-0.000 χ^2/NDF : 8139382775.0/36

Left In: 1.243+/-0.000 χ^2/NDF :656565612.3/17

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19204976.4/17

Left Out: 0.011+/-0.000 χ^2/NDF :1637831.1/18

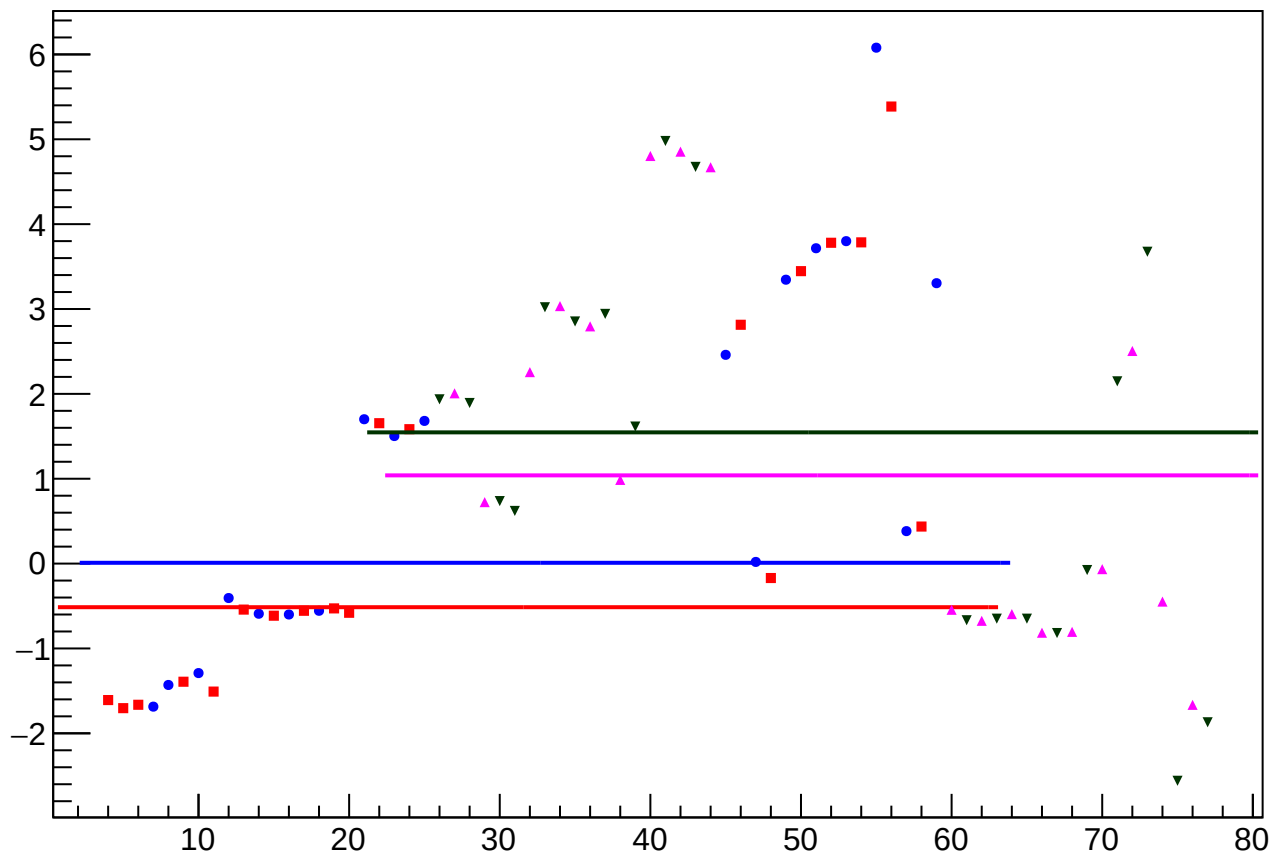
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.011+/-0.000 χ^2/NDF :2203158.0/17

0.000+/-0.000 χ^2/NDF : 36915842.2/36

0.011+/-0.000 χ^2/NDF : 3882404.7/36

yield_bpm1X_mean vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 18135045883.2/17

Left Out: 1.546+/-0.000 χ^2/NDF : 2887245028.4/18

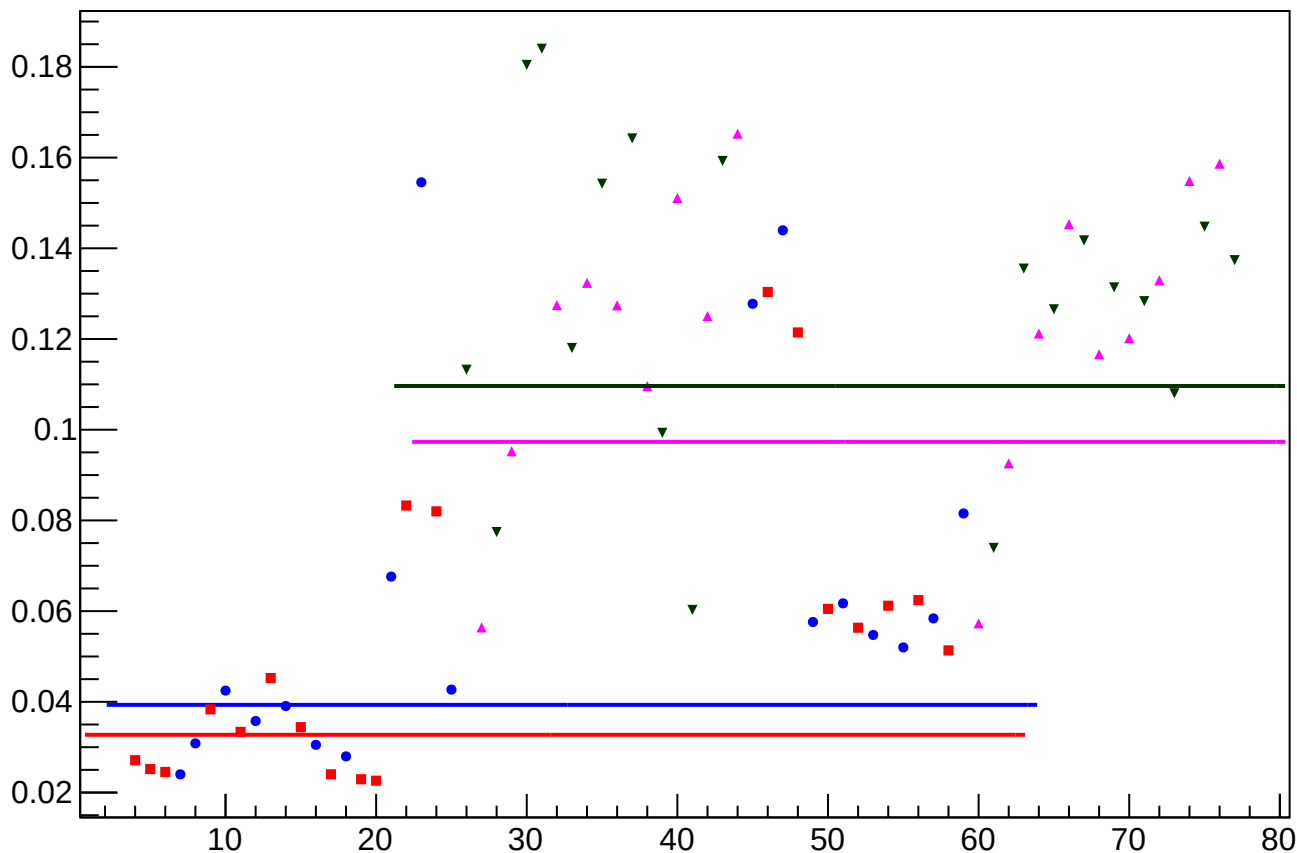
Right Out: -0.514+/-0.000 χ^2/NDF : 14474436949.2/18

Left In: 1.040+/-0.000 χ^2/NDF : 2323282794.2/17

0.181+/-0.000 χ^2/NDF : 22281728451.6/36

-0.339+/-0.000 χ^2/NDF : 18457736999.2/36

yield_bpm1X_rms vs slug



Right In: 0.039+/-0.000 χ^2/NDF : 3078164.7/17

Left Out: 0.110+/-0.000 χ^2/NDF :1498678.0/18

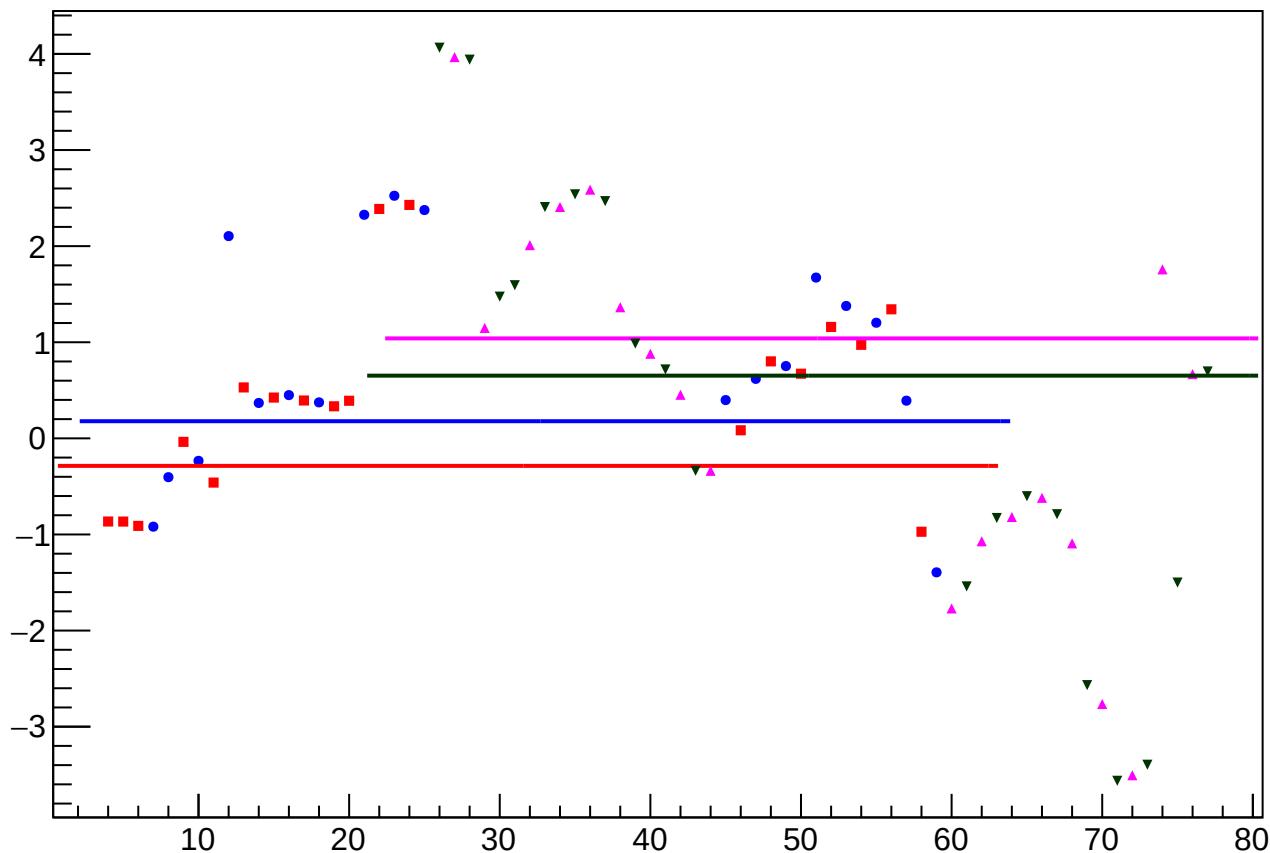
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.097+/-0.000 χ^2/NDF :2053513.4/17

0.047+/-0.000 χ^2/NDF : 9847472.8/36

0.040+/-0.000 χ^2/NDF : 10630619.7/36

yield_bpm1Y_mean vs slug



Right In: 0.178 ± 0.000 $\chi^2/\text{NDF}: 9482704623.3/17$

Left Out: 0.652 ± 0.000 $\chi^2/\text{NDF}: 6394707016.7/18$

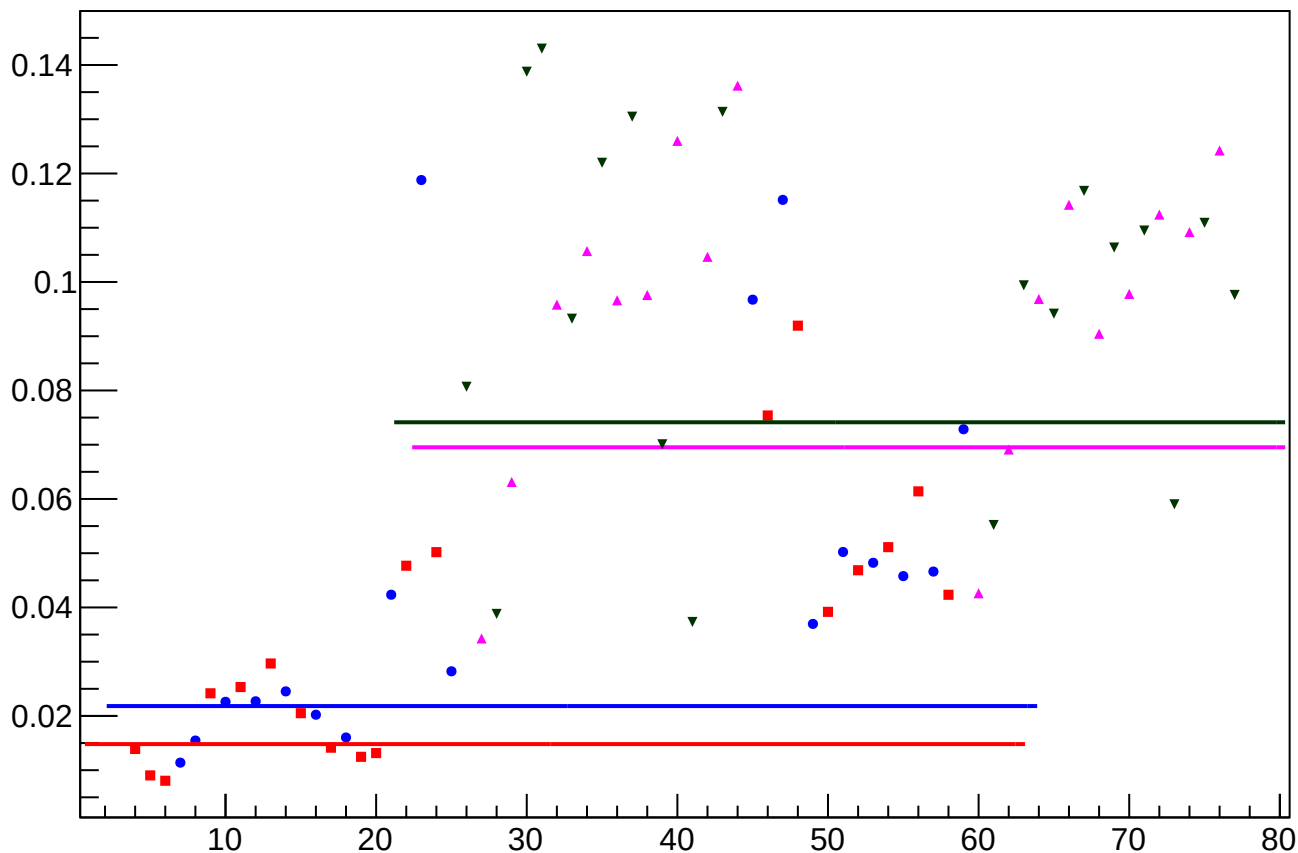
Right Out: -0.286 ± 0.000 $\chi^2/\text{NDF}: 10734675455.5/18$

Left In: 1.040 ± 0.000 $\chi^2/\text{NDF}: 7564056273.8/17$

0.218 ± 0.000 $\chi^2/\text{NDF}: 16111944857.1/36$

-0.208 ± 0.000 $\chi^2/\text{NDF}: 20584236630.7/36$

yield_bpm1Y_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.074+/-0.000 χ^2/NDF : 2531099.1/18

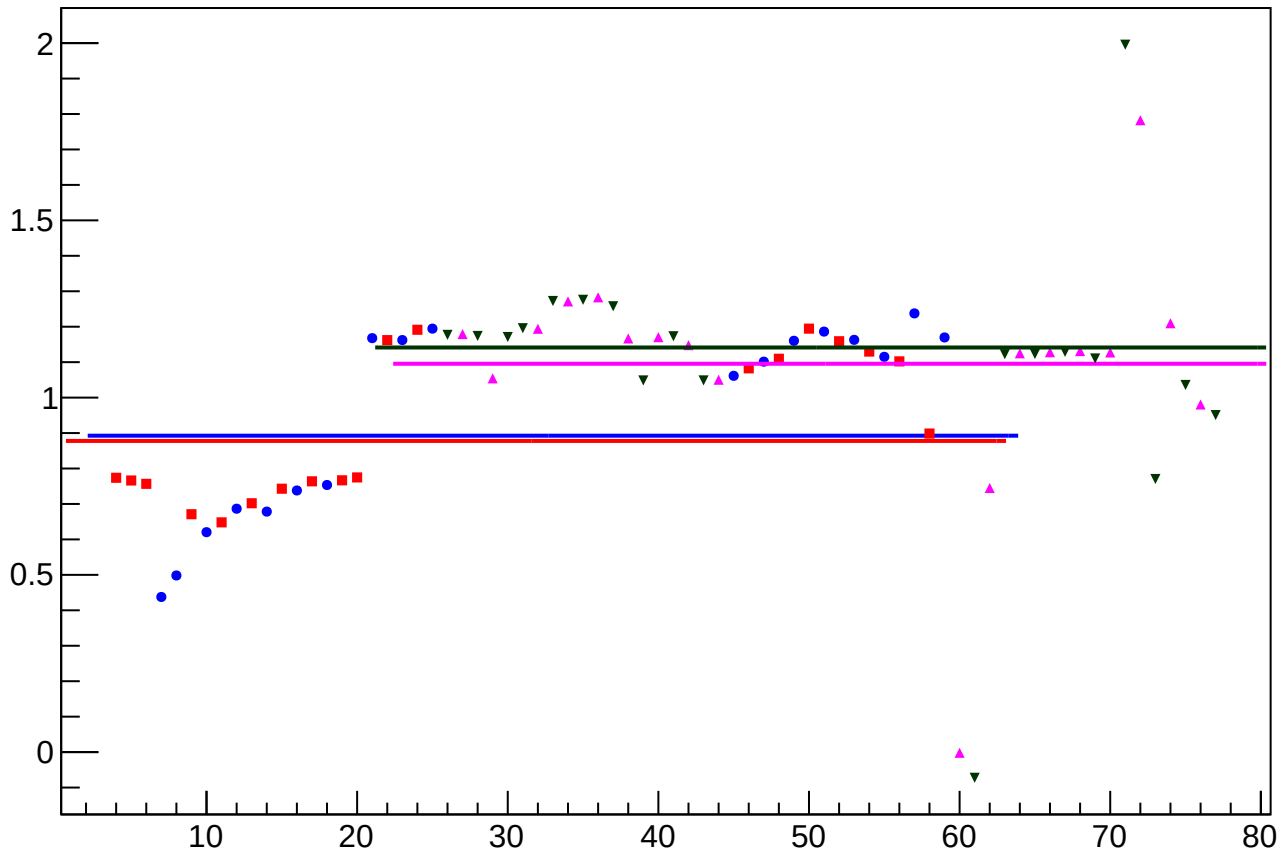
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.070+/-0.000 χ^2/NDF : 2926416.9/17

0.026+/-0.000 χ^2/NDF : 12913105.6/36

0.018+/-0.000 χ^2/NDF : 15645395.9/36

yield_bpm11X_mean vs slug



Right In: 0.893 ± 0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.141 ± 0.000 χ^2/NDF : 2019957513.1/18

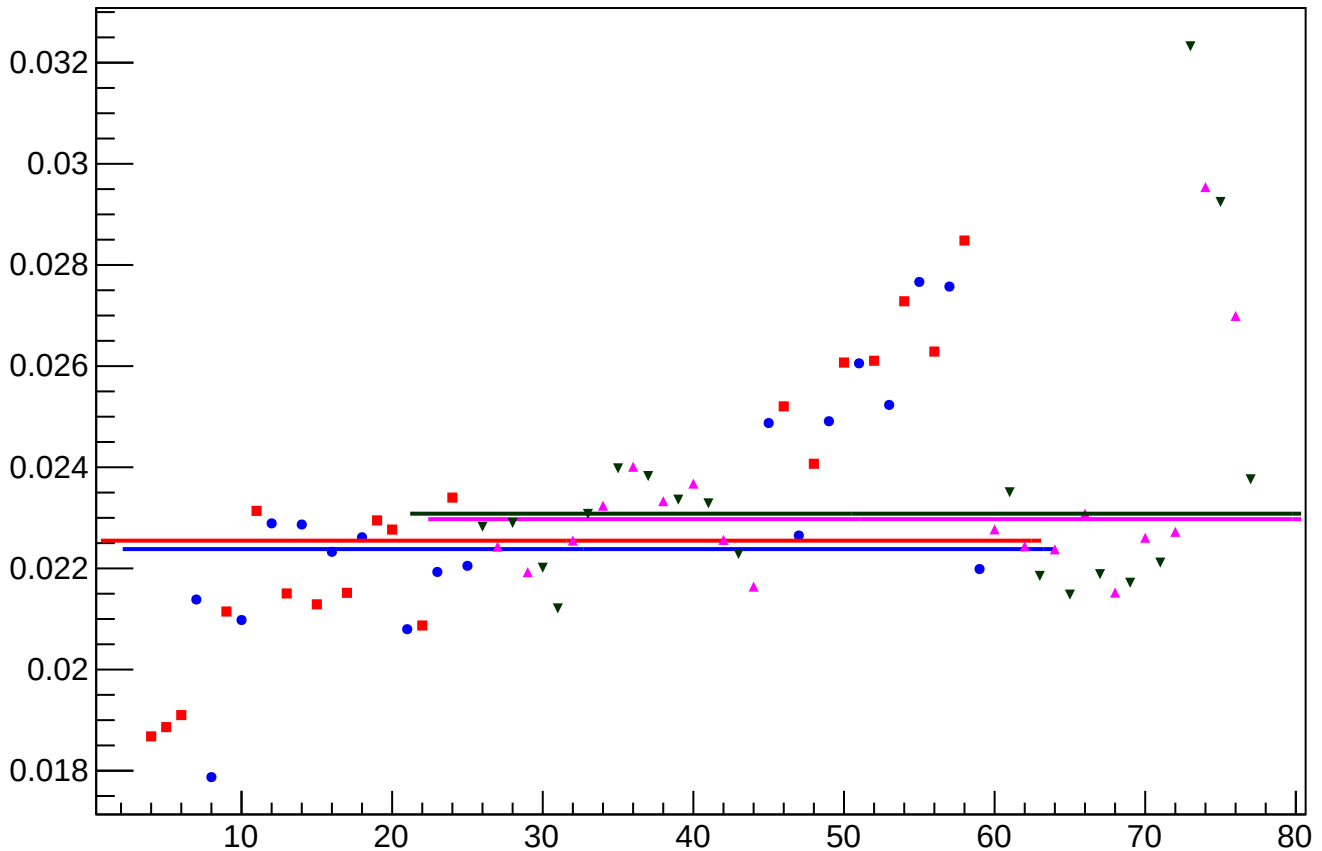
Right Out: 0.878 ± 0.000 χ^2/NDF : 761495098.5/18

Left In: 1.095 ± 0.000 χ^2/NDF : 1765639957.9/17

1.005 ± 0.000 χ^2/NDF : 4250712981.5/36

0.987 ± 0.000 χ^2/NDF : 2968579917.5/36

yield_bpm11X_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 264611.3/17

Left Out: 0.023+/-0.000 χ^2/NDF :152789.2/18

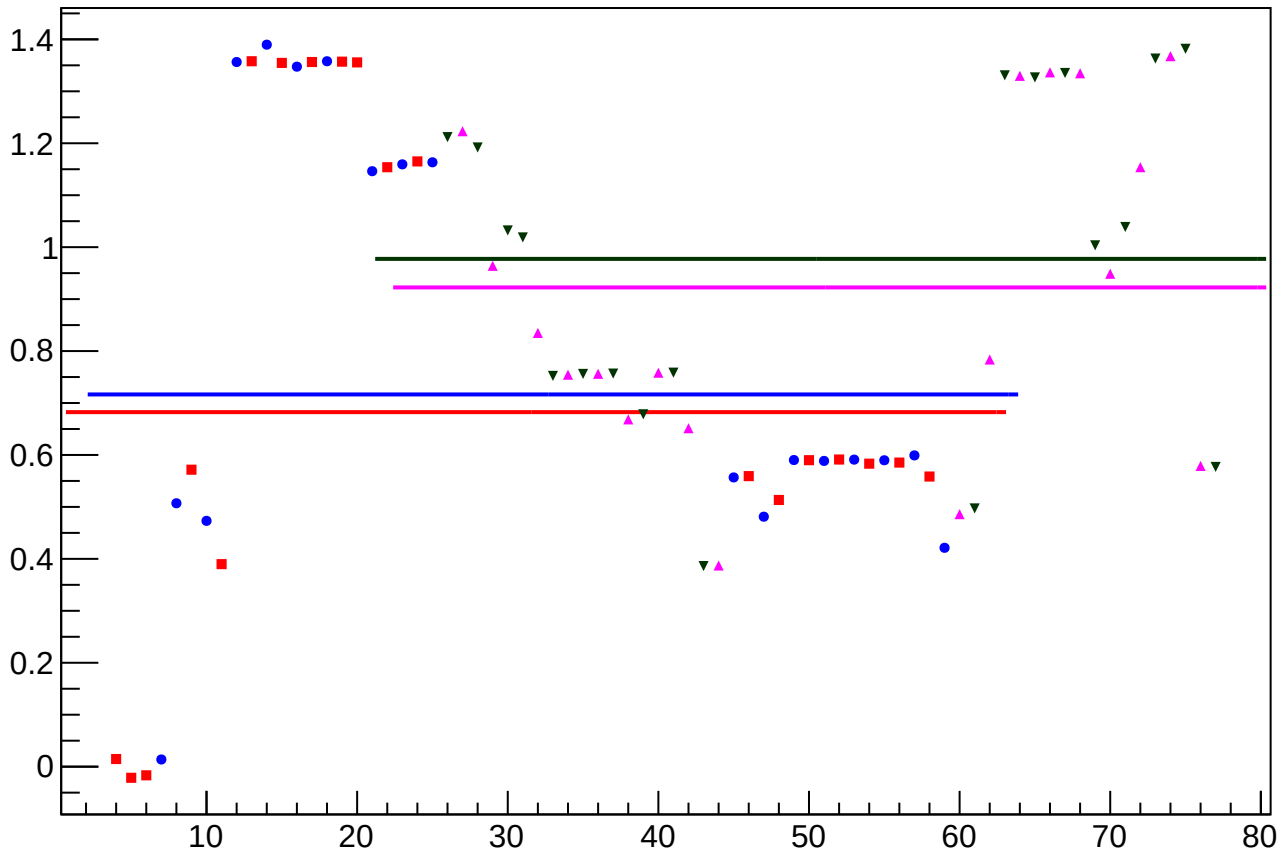
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.023+/-0.000 χ^2/NDF :88233.7/17

0.023+/-0.000 χ^2/NDF : 426936.4/36

0.023+/-0.000 χ^2/NDF : 337803.9/36

yield_bpm11Y_mean vs slug



Right In: 0.716+/-0.000 χ^2/NDF : 131330740430.7/17

Left Out: 0.977+/-0.000 χ^2/NDF : 79565976094.3/18

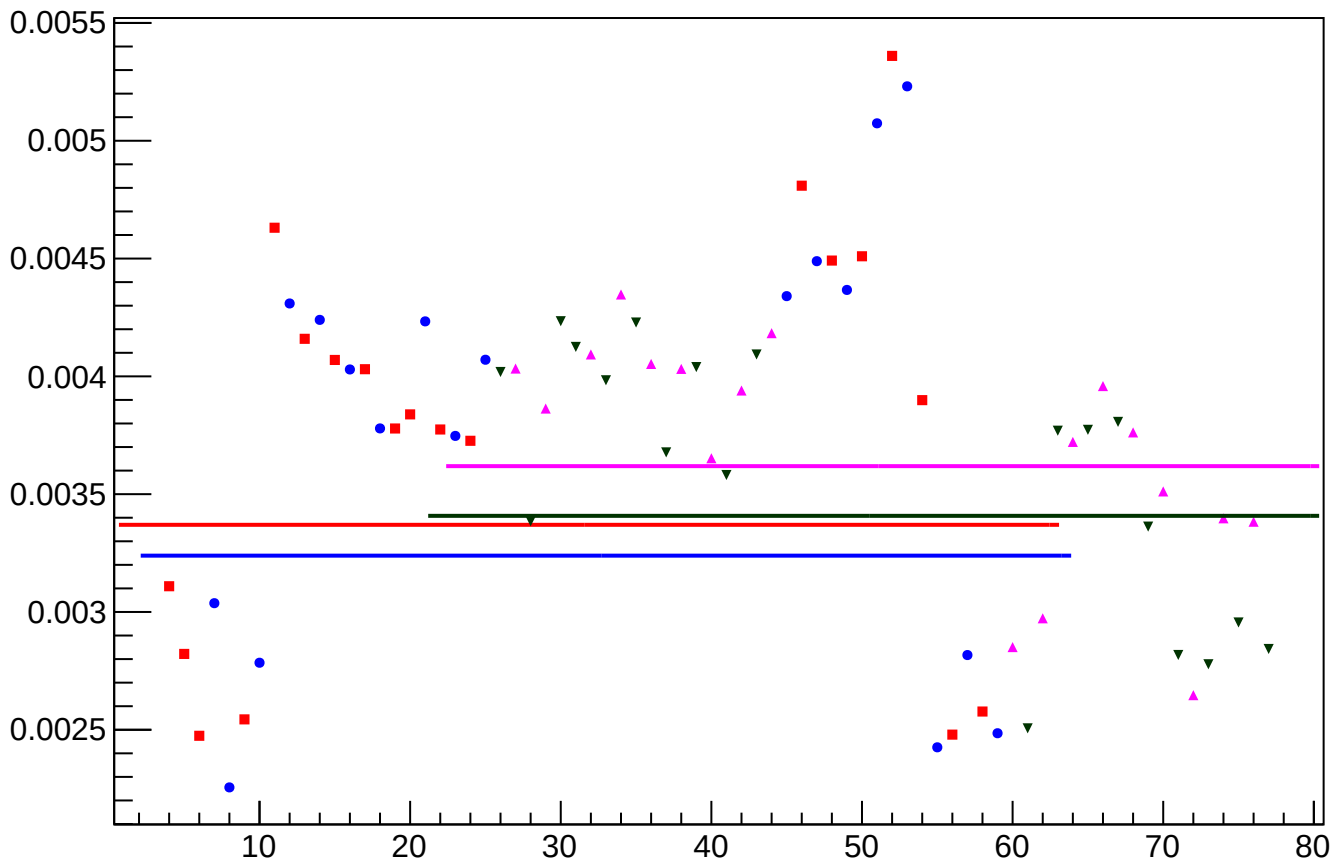
0.835+/-0.000 χ^2/NDF : 240409977849.1/36

Right Out: 0.682+/-0.000 χ^2/NDF : 168328456976.2/18

0.798+/-0.000 χ^2/NDF : 255471619387.0/36

Left In: 0.922+/-0.000 χ^2/NDF : 65215097140.2/17

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1552802.4/17

Left Out: 0.003+/-0.000 χ^2/NDF : 488959.1/18

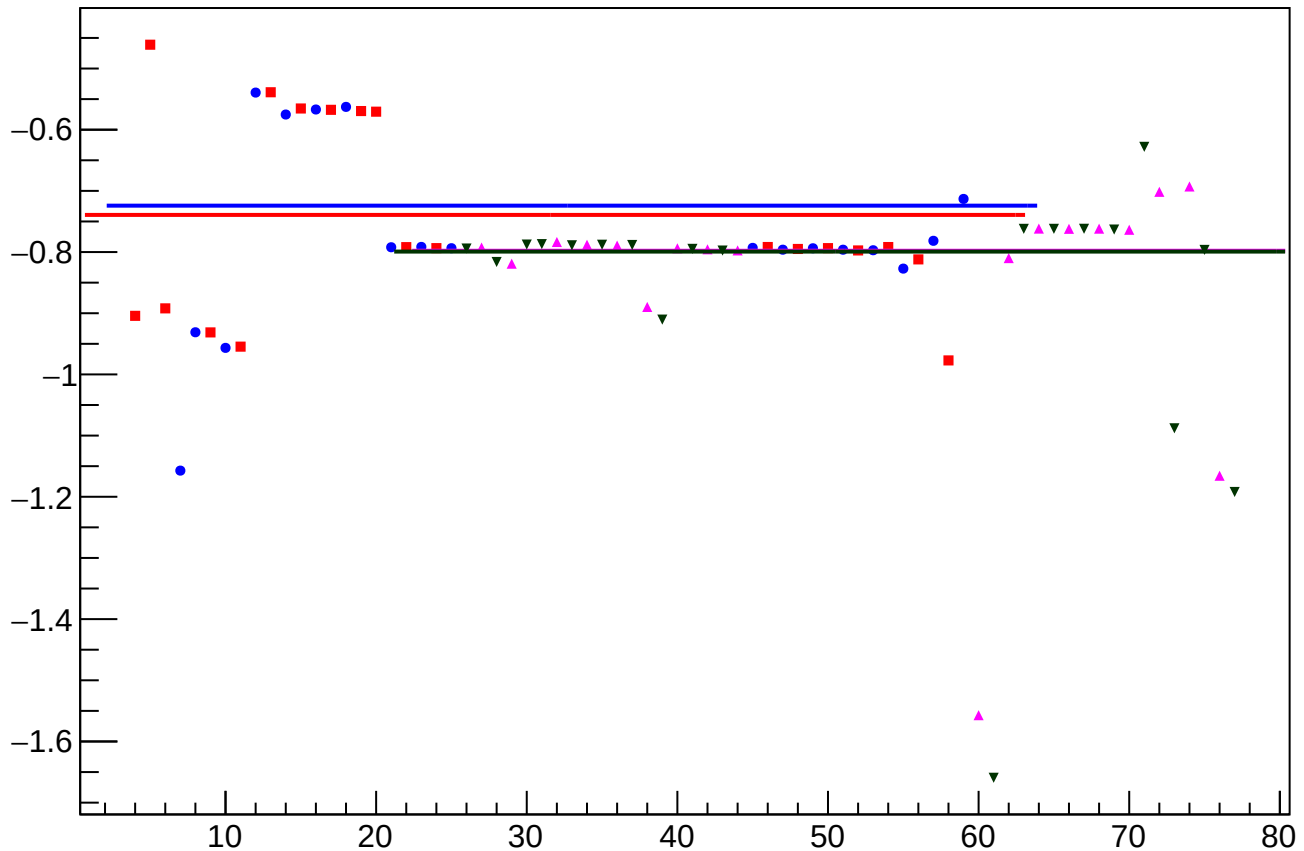
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 355923.0/17

0.003+/-0.000 χ^2/NDF : 2066508.8/36

0.003+/-0.000 χ^2/NDF : 1561292.1/36

yield_bpm12X_mean vs slug



Right In: -0.724+/-0.000 χ^2/NDF : 2243966662.4/17

Left Out: -0.799+/-0.000 χ^2/NDF : 809406493.7/18

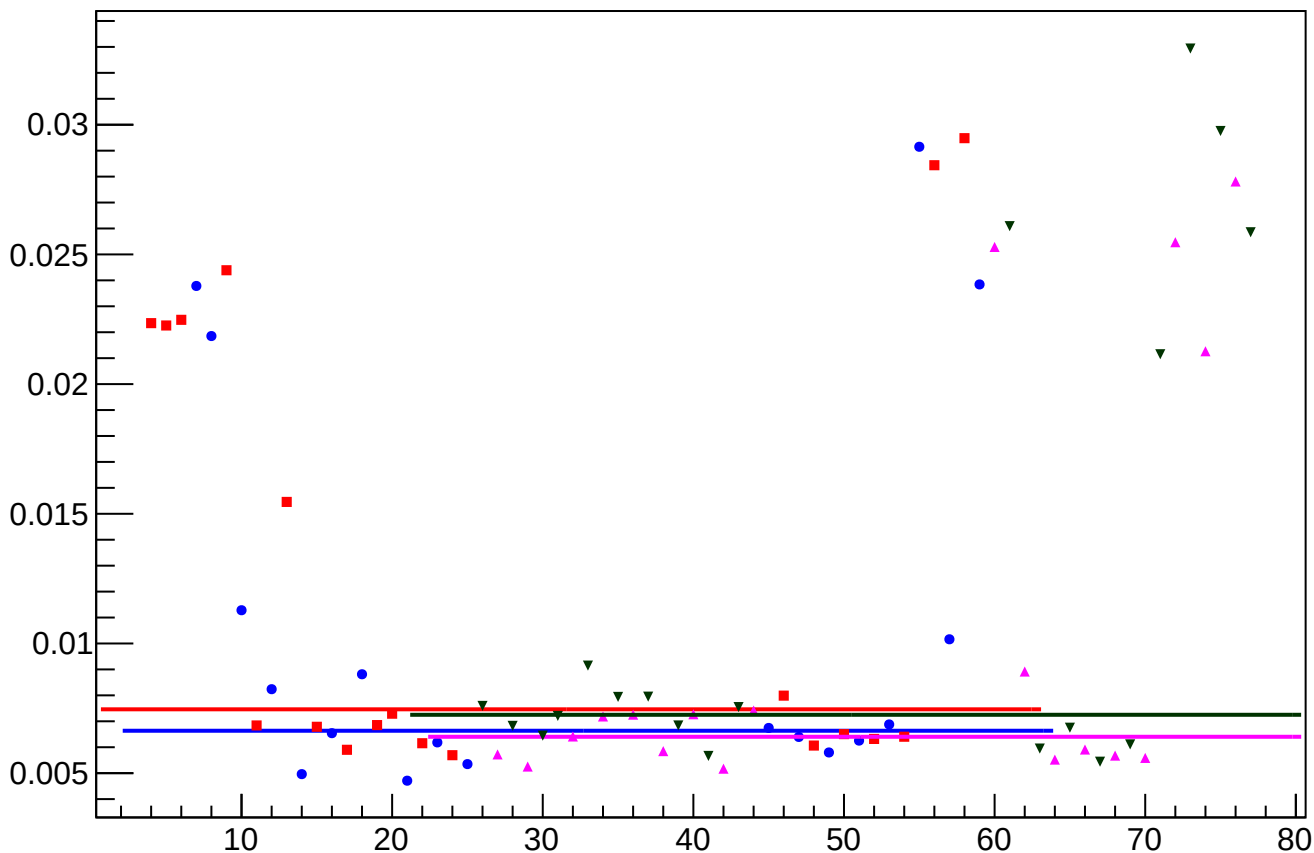
-0.757+/-0.000 χ^2/NDF : 3446083279.6/36

Right Out: -0.739+/-0.000 χ^2/NDF : 1945829237.2/18

-0.774+/-0.000 χ^2/NDF : 2921022136.1/36

Left In: -0.798+/-0.000 χ^2/NDF : 747123479.4/17

yield_bpm12X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 3347518.2/17

Left Out: 0.007+/-0.000 χ^2/NDF :2808731.8/18

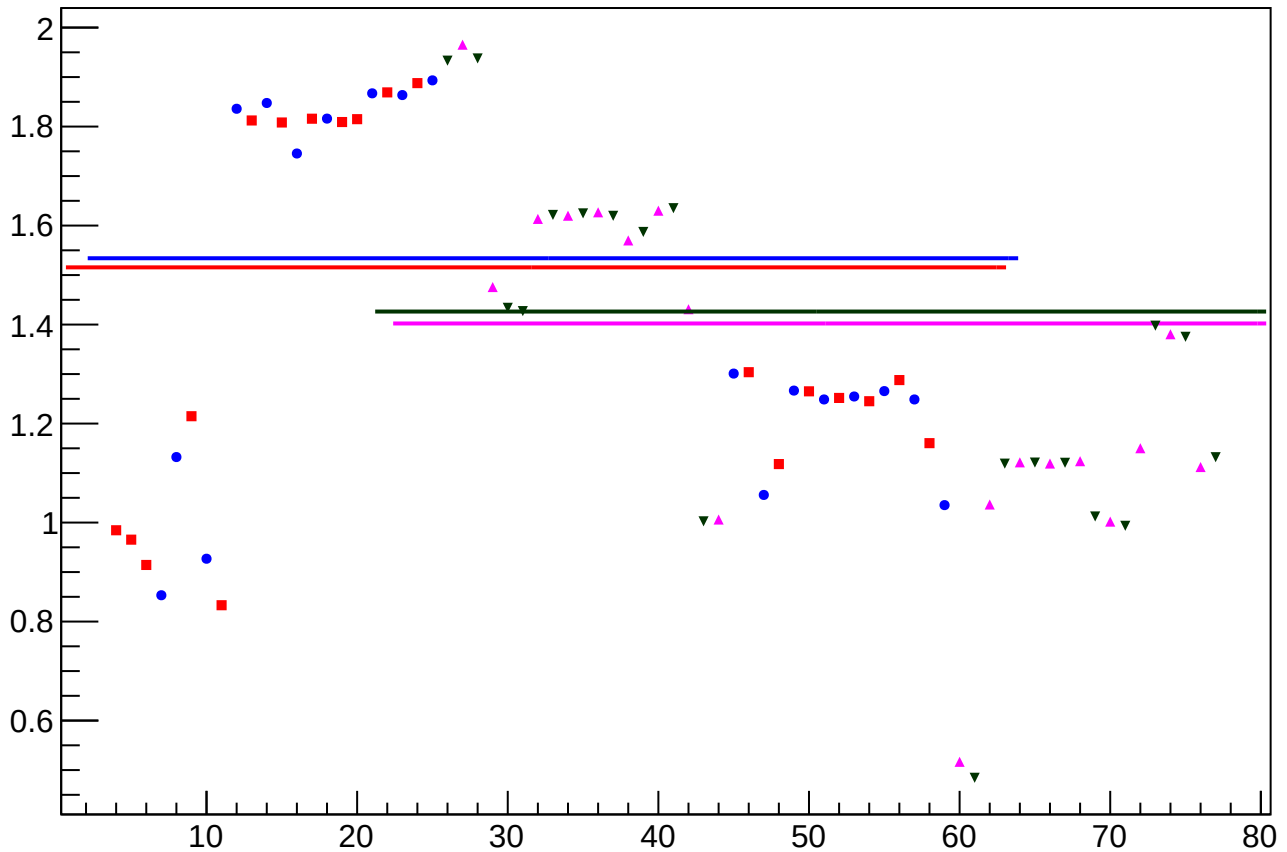
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.006+/-0.000 χ^2/NDF :2404896.7/17

0.007+/-0.000 χ^2/NDF : 6208999.5/36

0.007+/-0.000 χ^2/NDF : 6032807.9/36

yield_bpm12Y_mean vs slug



Right In: 1.534 ± 0.000 χ^2/NDF : 22395382646.2/17

Left Out: 1.426 ± 0.000 χ^2/NDF : 17922882102.9/18

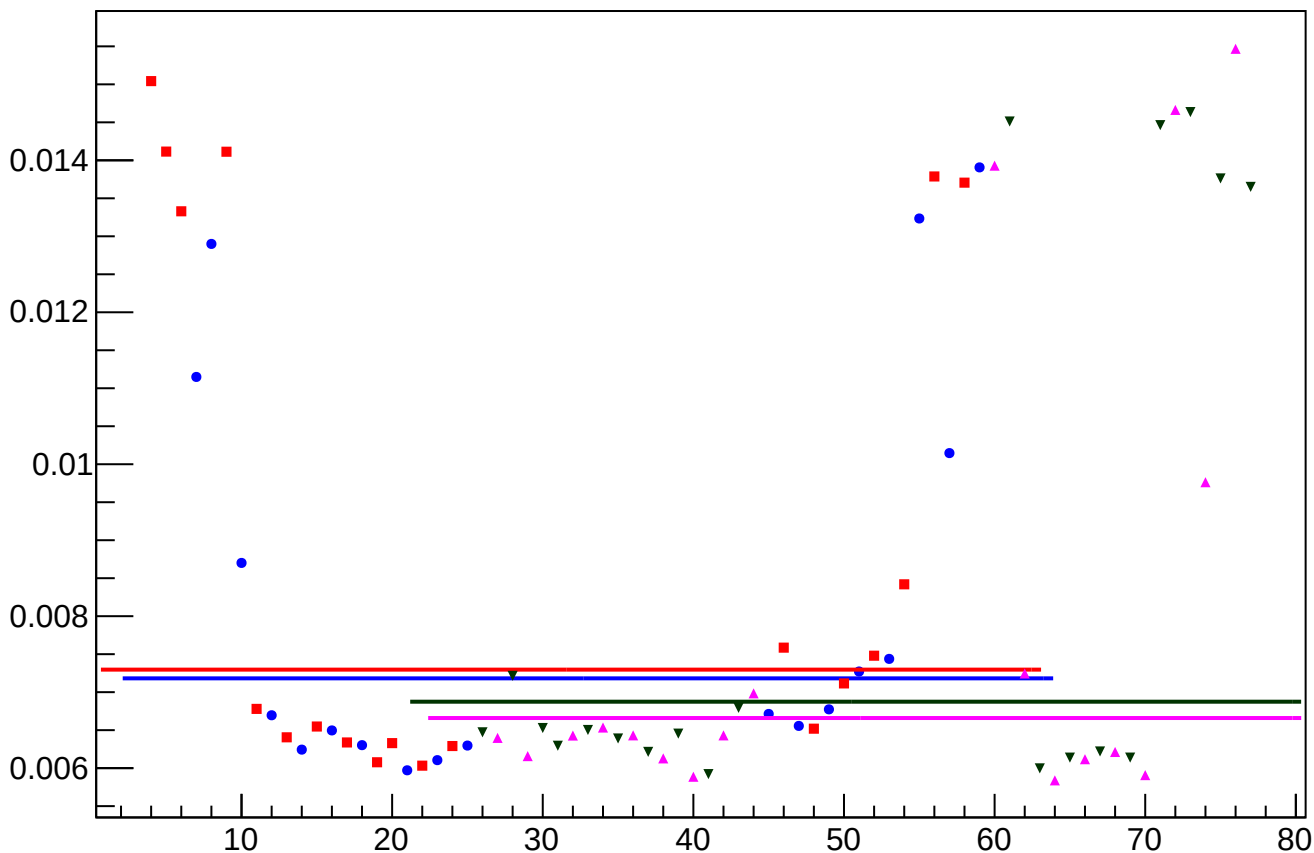
Right Out: 1.516 ± 0.000 χ^2/NDF : 21754735470.0/18

Left In: 1.402 ± 0.000 χ^2/NDF : 19481038470.3/17

1.482 ± 0.000 χ^2/NDF : 41384287757.3/36

1.453 ± 0.000 χ^2/NDF : 42376408368.1/36

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 1305539.8/17

Left Out: 0.007+/-0.000 χ^2/NDF :1374997.6/18

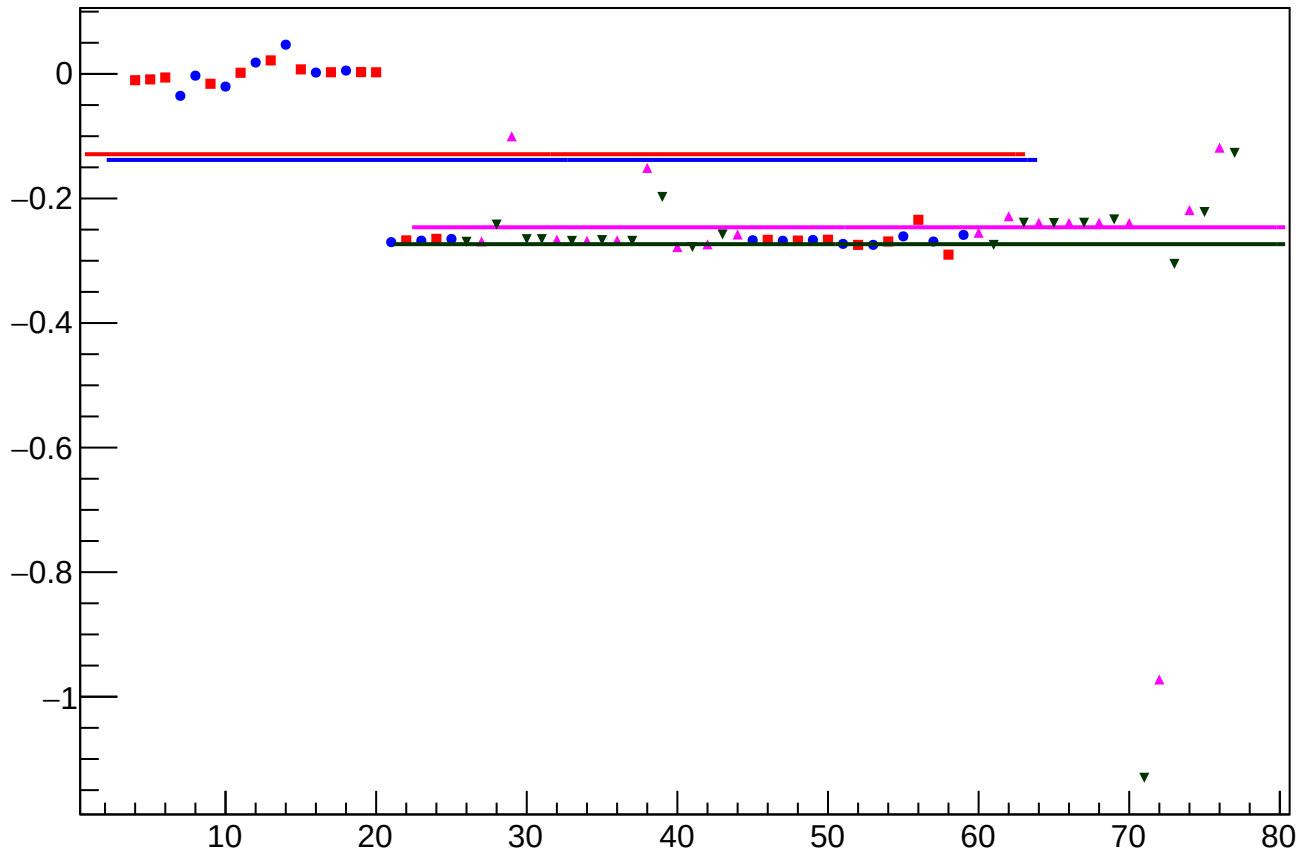
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.007+/-0.000 χ^2/NDF :1067840.8/17

0.007+/-0.000 χ^2/NDF : 2697894.2/36

0.007+/-0.000 χ^2/NDF : 2597738.7/36

yield_bpm16X_mean vs slug



Right In: -0.138+/-0.000 χ^2/NDF : 7275574194.7/17

Left Out: -0.273+/-0.000 χ^2/NDF : 5896905253.5/18

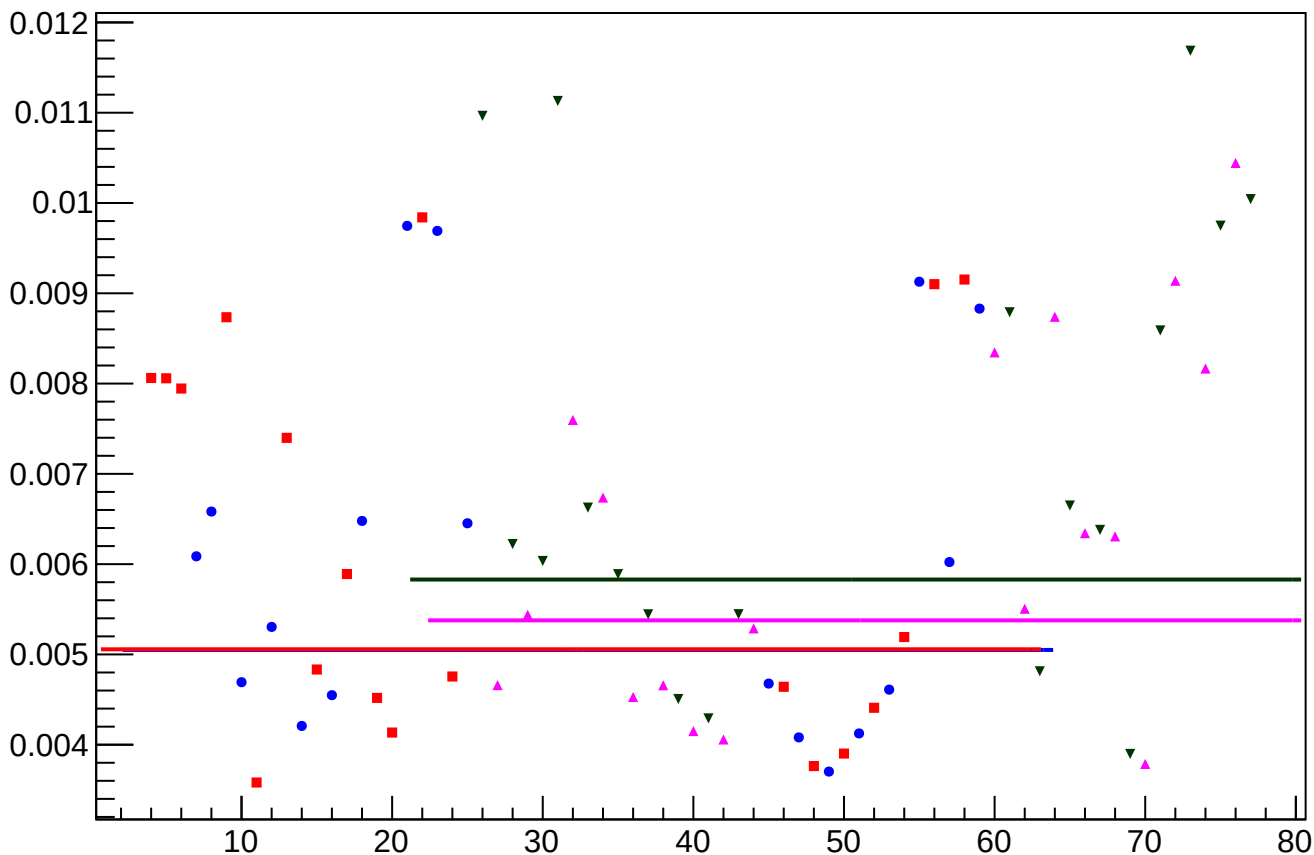
Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

Left In: -0.246+/-0.000 χ^2/NDF : 3635000852.6/17

-0.192+/-0.000 χ^2/NDF : 15849538112.4/36

-0.185+/-0.000 χ^2/NDF : 11635628290.6/36

yield_bpm16X_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 1664372.1/17

Left Out: 0.006+/-0.000 χ^2/NDF :1694797.9/18

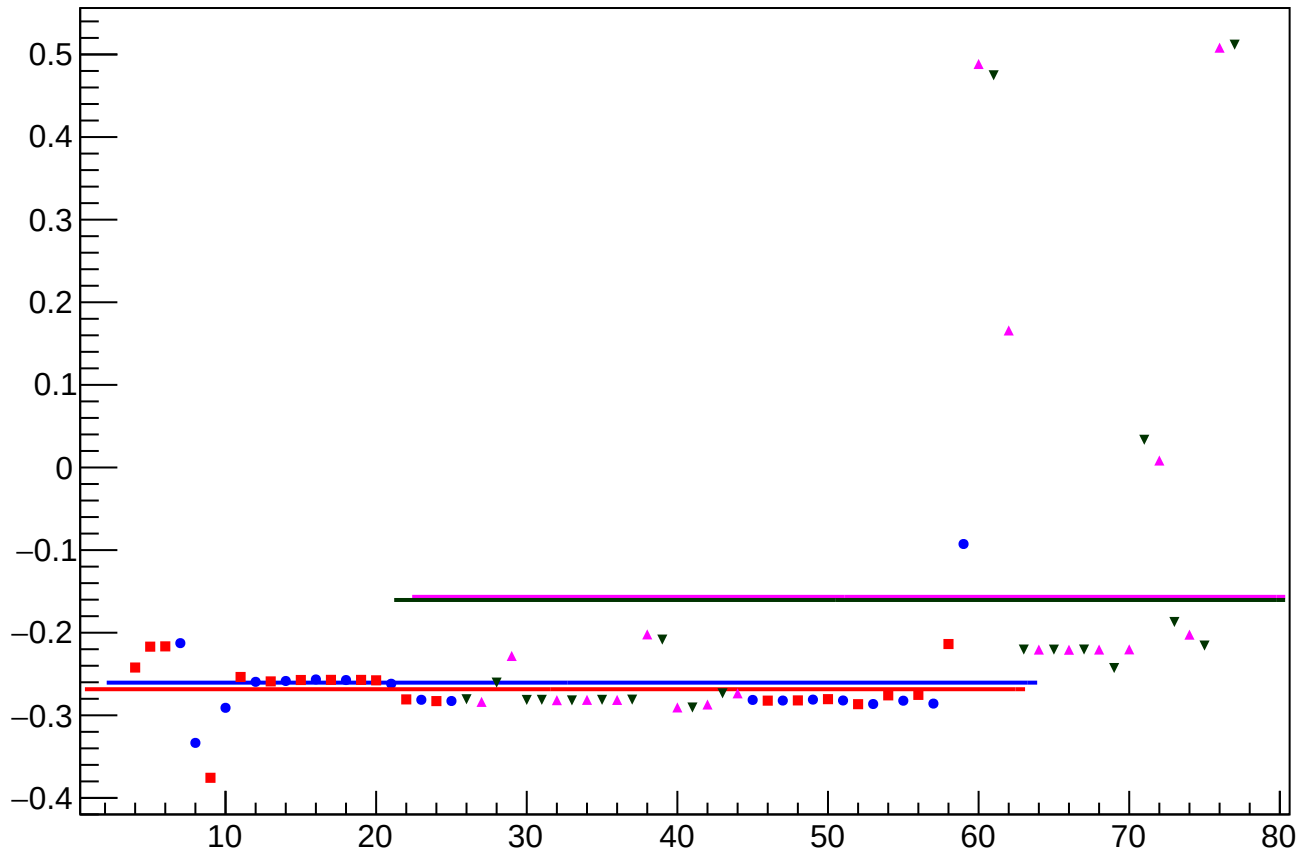
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.005+/-0.000 χ^2/NDF :1429963.2/17

0.005+/-0.000 χ^2/NDF : 3537120.3/36

0.005+/-0.000 χ^2/NDF : 3284124.2/36

yield_bpm16Y_mean vs slug



Right In: -0.260+/-0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.160+/-0.000 χ^2/NDF : 66903598013.6/18

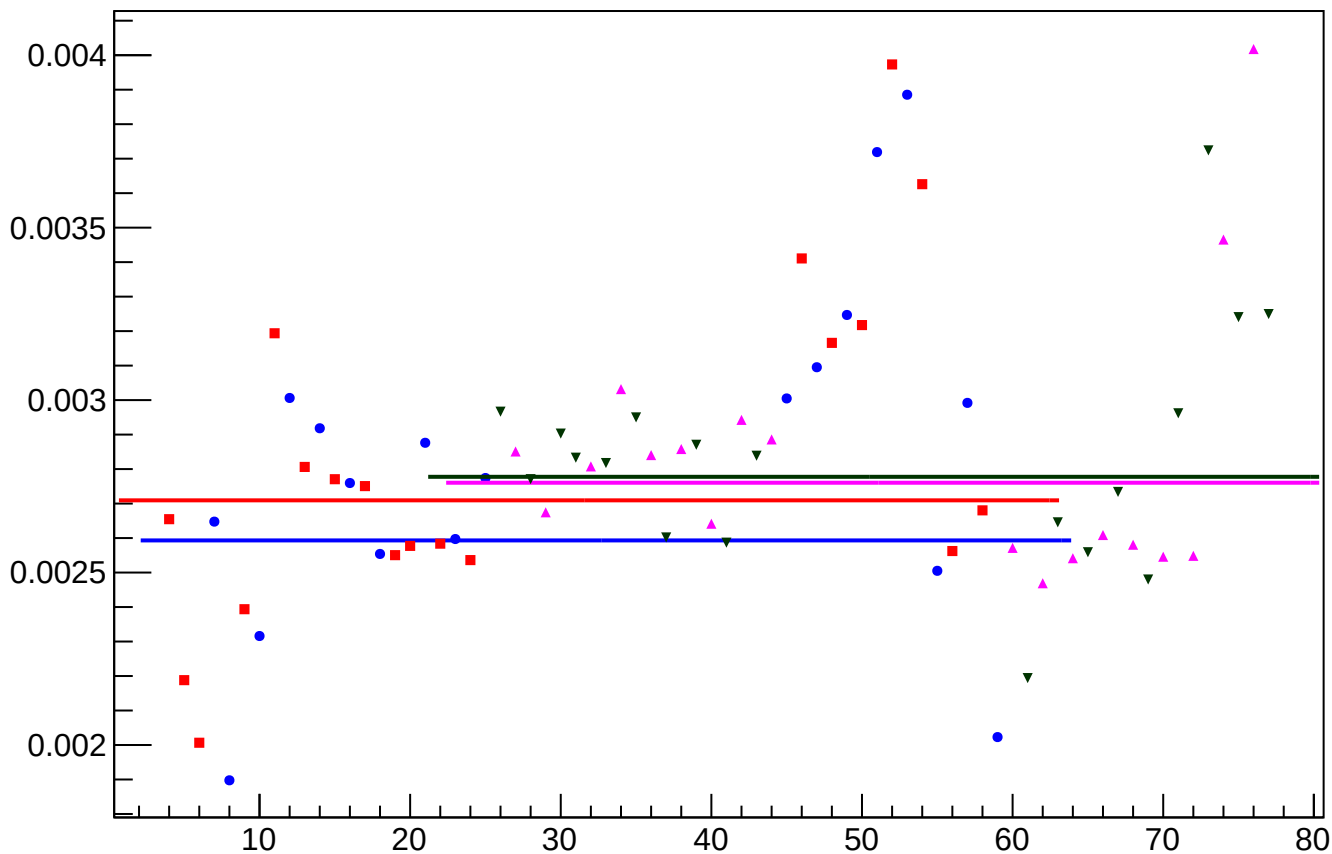
Right Out: -0.268+/-0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.157+/-0.000 χ^2/NDF : 60781571571.4/17

-0.217+/-0.000 χ^2/NDF : 80644541748.4/36

-0.213+/-0.000 χ^2/NDF : 70930801279.3/36

yield_bpm16Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 774114.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 211928.6/18

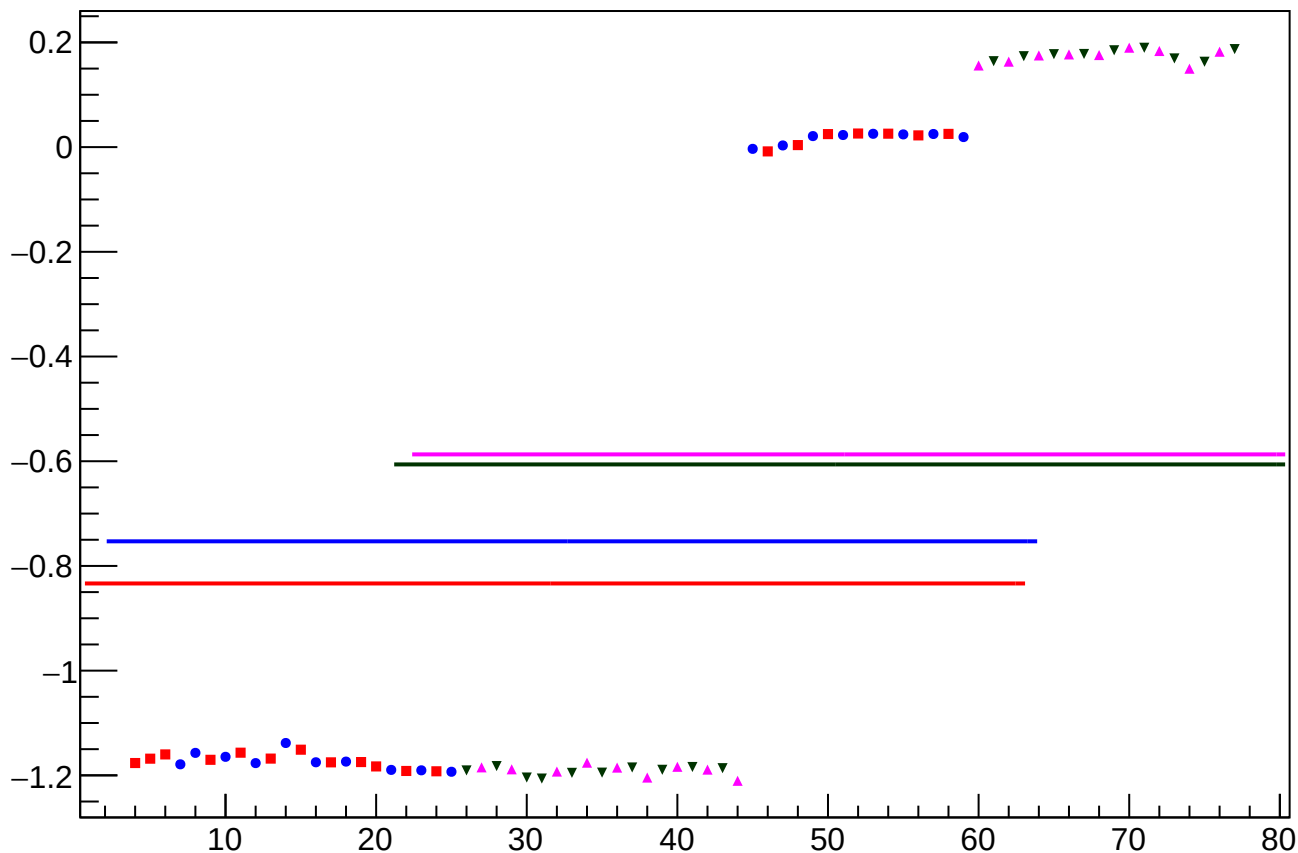
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 206685.9/17

0.003+/-0.000 χ^2/NDF : 1032668.3/36

0.003+/-0.000 χ^2/NDF : 686235.4/36

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.606+/-0.000 χ^2/NDF : 64796512588.5/18

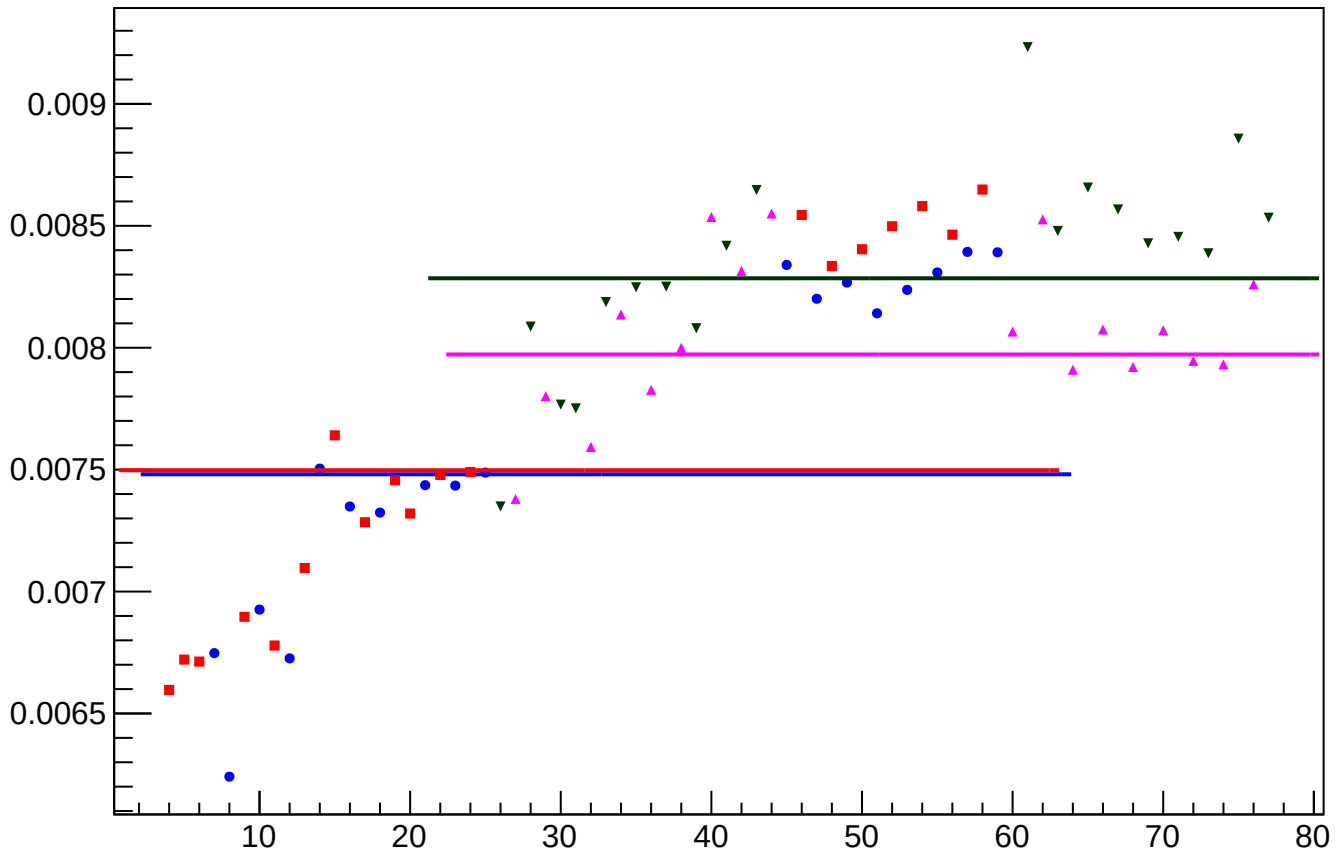
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.587+/-0.000 χ^2/NDF : 72855370779.2/17

-0.692+/-0.000 χ^2/NDF : 130101570769.0/36

-0.716+/-0.000 χ^2/NDF : 128255304474.6/36

yield_bpm2i01X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 196084.4/17

Left Out: 0.008+/-0.000 χ^2/NDF : 45668.2/18

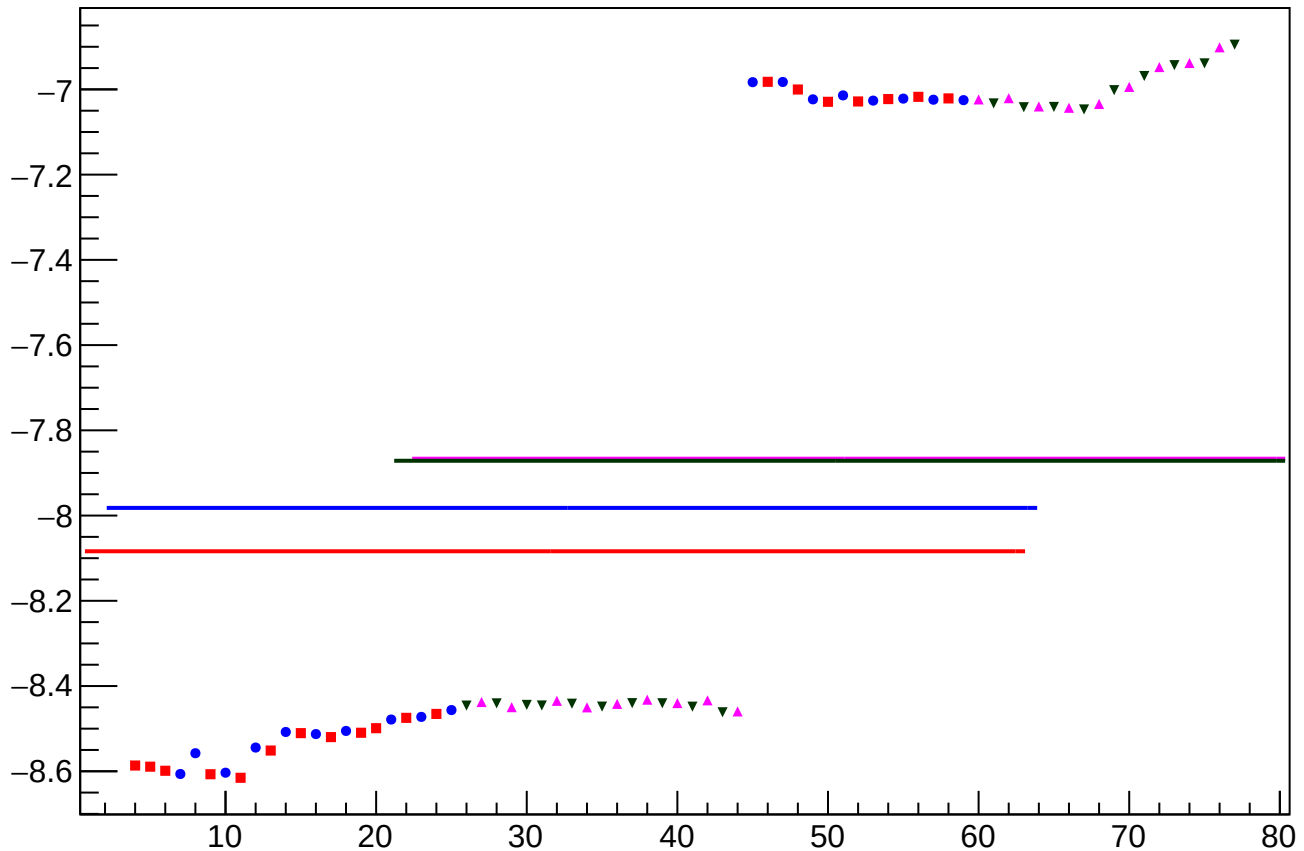
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF : 33199.2/17

0.008+/-0.000 χ^2/NDF : 348385.3/36

0.008+/-0.000 χ^2/NDF : 238189.0/36

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -7.871+/-0.000 χ^2/NDF : 86930603967.7/18

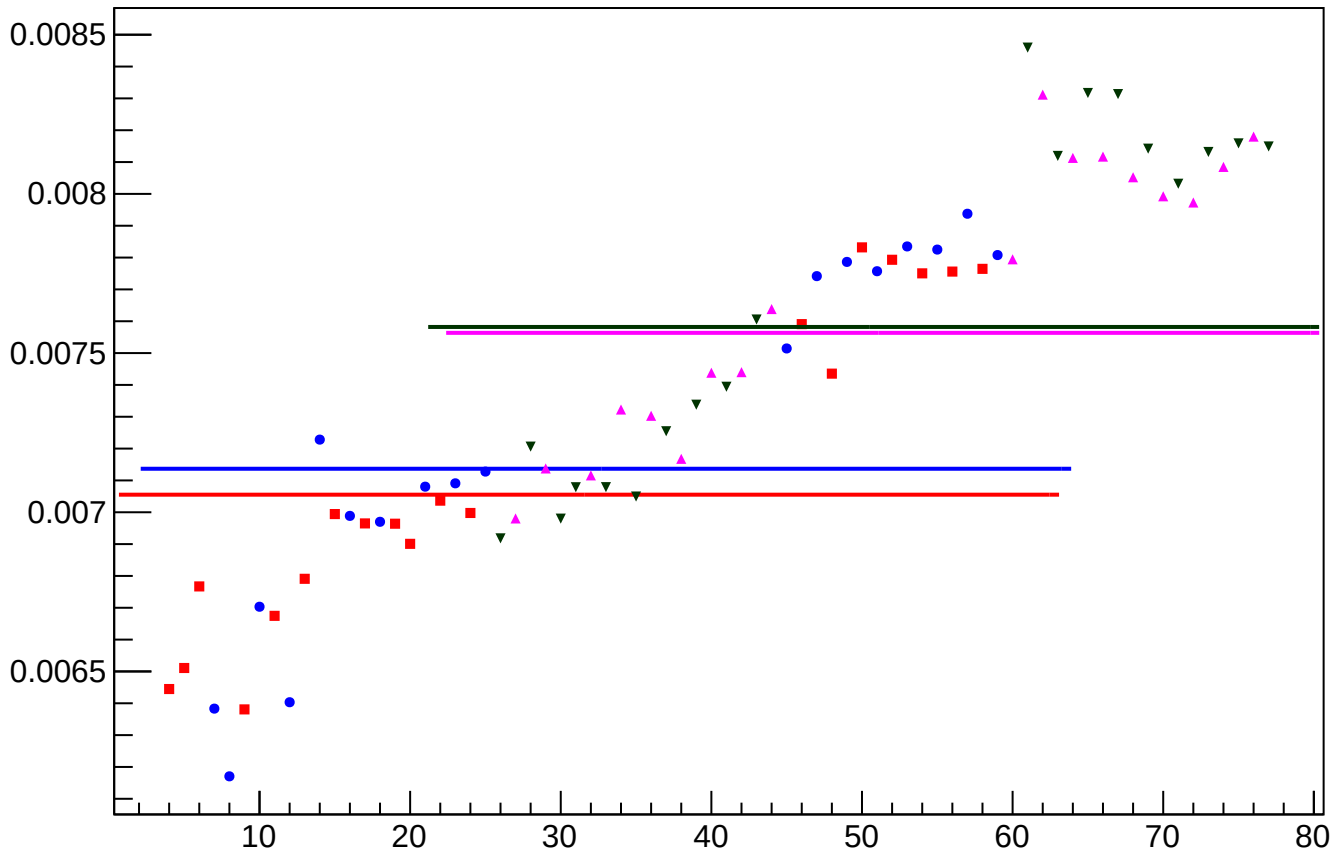
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -7.867+/-0.000 χ^2/NDF : 89865890866.2/17

-7.933+/-0.000 χ^2/NDF : 204630453841.2/36

-7.981+/-0.000 χ^2/NDF : 193818269451.0/36

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 141394.2/17

Left Out: 0.008+/-0.000 χ^2/NDF : 92417.9/18

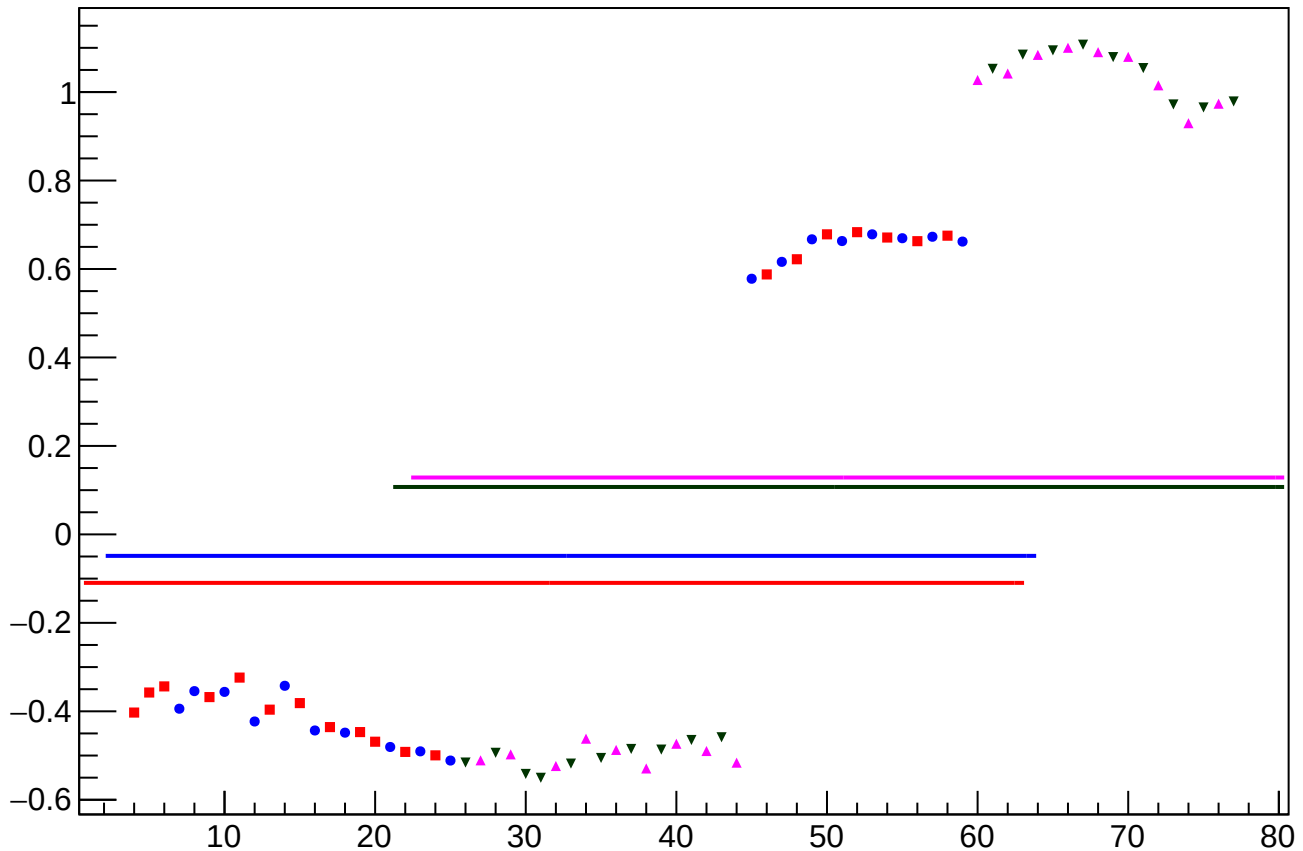
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF : 69459.4/17

0.007+/-0.000 χ^2/NDF : 271936.4/36

0.007+/-0.000 χ^2/NDF : 207016.6/36

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: 0.107+/-0.000 χ^2/NDF :12058893192.4/18

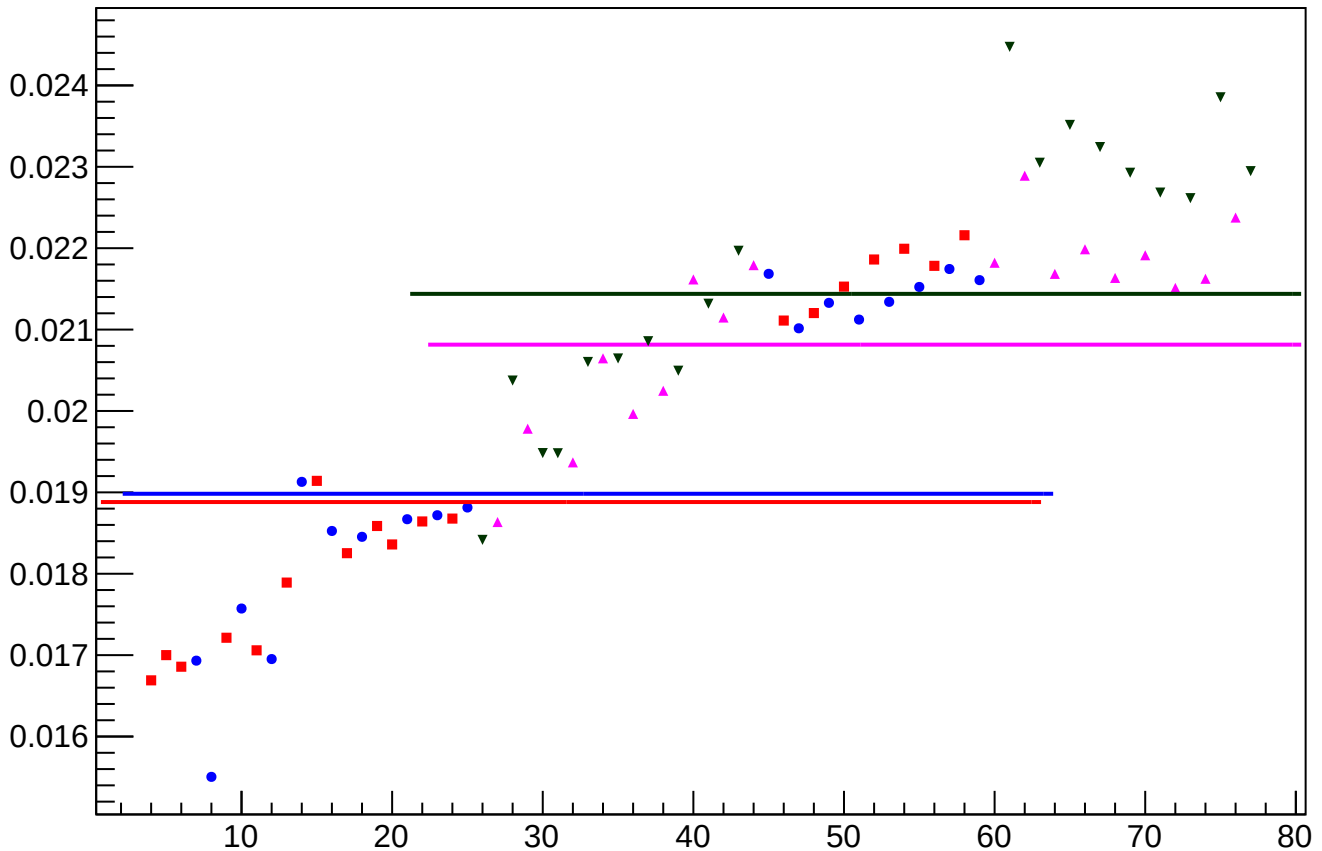
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: 0.129+/-0.000 χ^2/NDF :13430028693.2/17

0.015+/-0.000 χ^2/NDF : 20168757361.6/36

-0.001+/-0.000 χ^2/NDF : 20406815746.7/36

yield_bpm2i02X_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 254927.5/17

Left Out: 0.021+/-0.000 χ^2/NDF : 111538.1/18

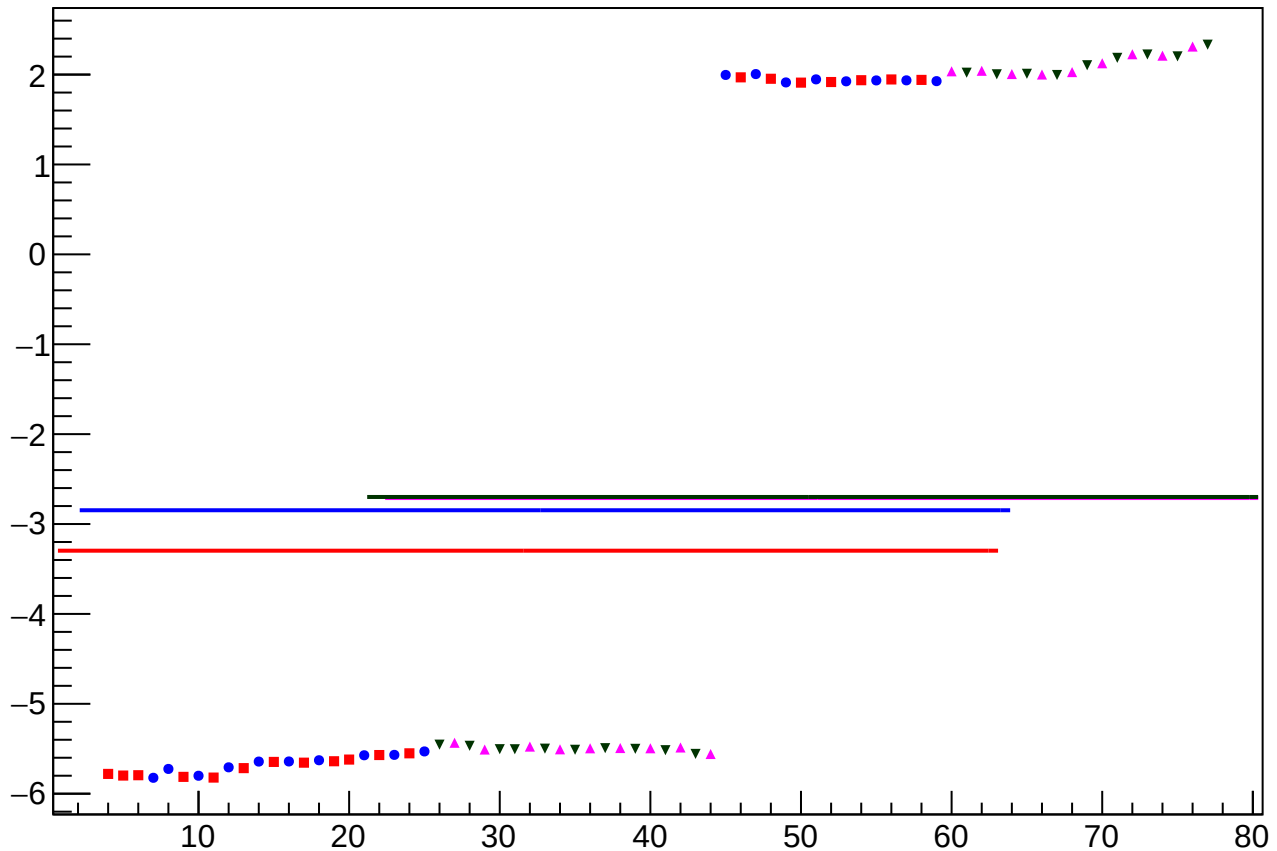
Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

Left In: 0.021+/-0.000 χ^2/NDF : 70332.9/17

0.020+/-0.000 χ^2/NDF : 517362.6/36

0.020+/-0.000 χ^2/NDF : 355474.8/36

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -2.699+/-0.000 χ^2/NDF : 792915572030.3/18

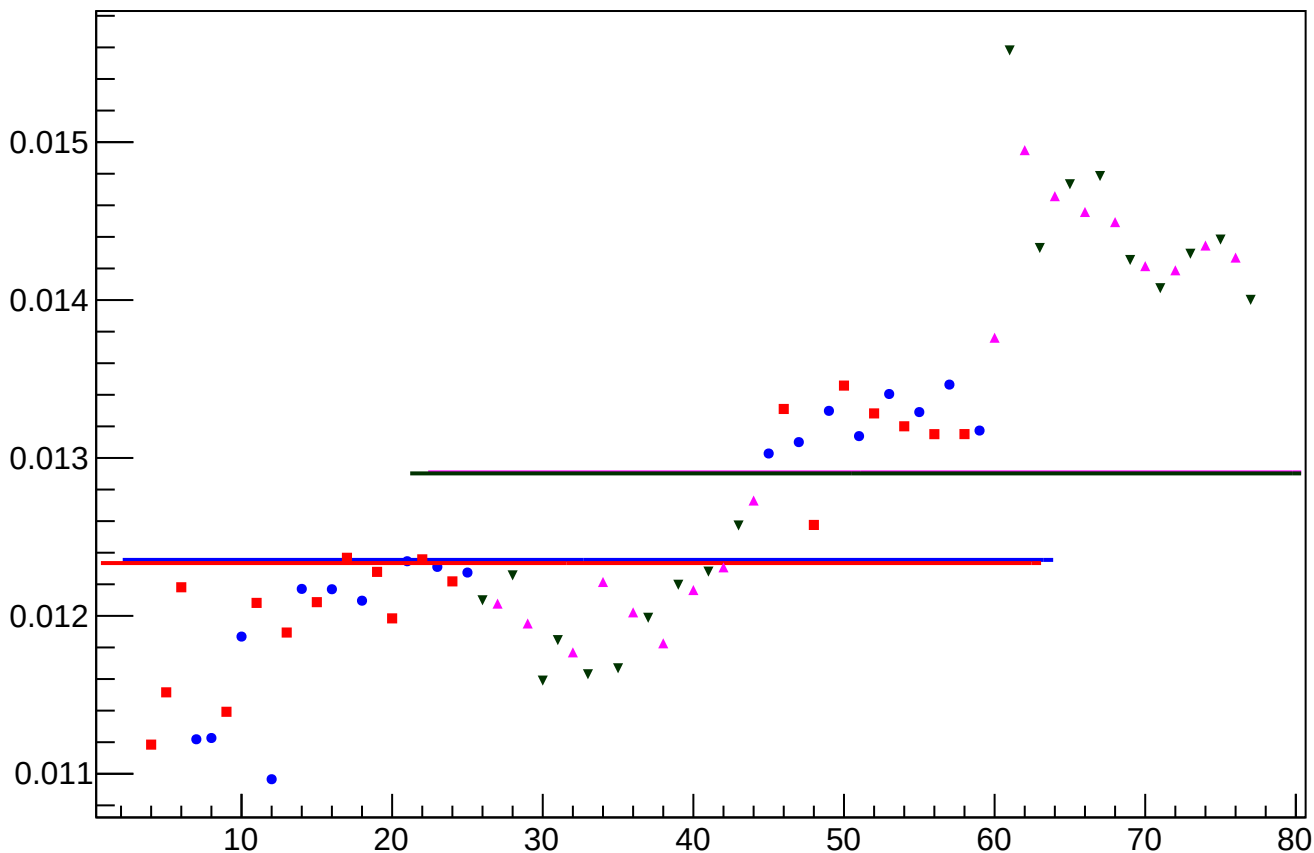
-2.781+/-0.000 χ^2/NDF : 1781710446512.9/36

Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -2.711+/-0.000 χ^2/NDF : 816676749175.7/17

-3.013+/-0.000 χ^2/NDF : 1646509382825.8/36

yield_bpm2i02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 89844.3/17

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:175004.2/18

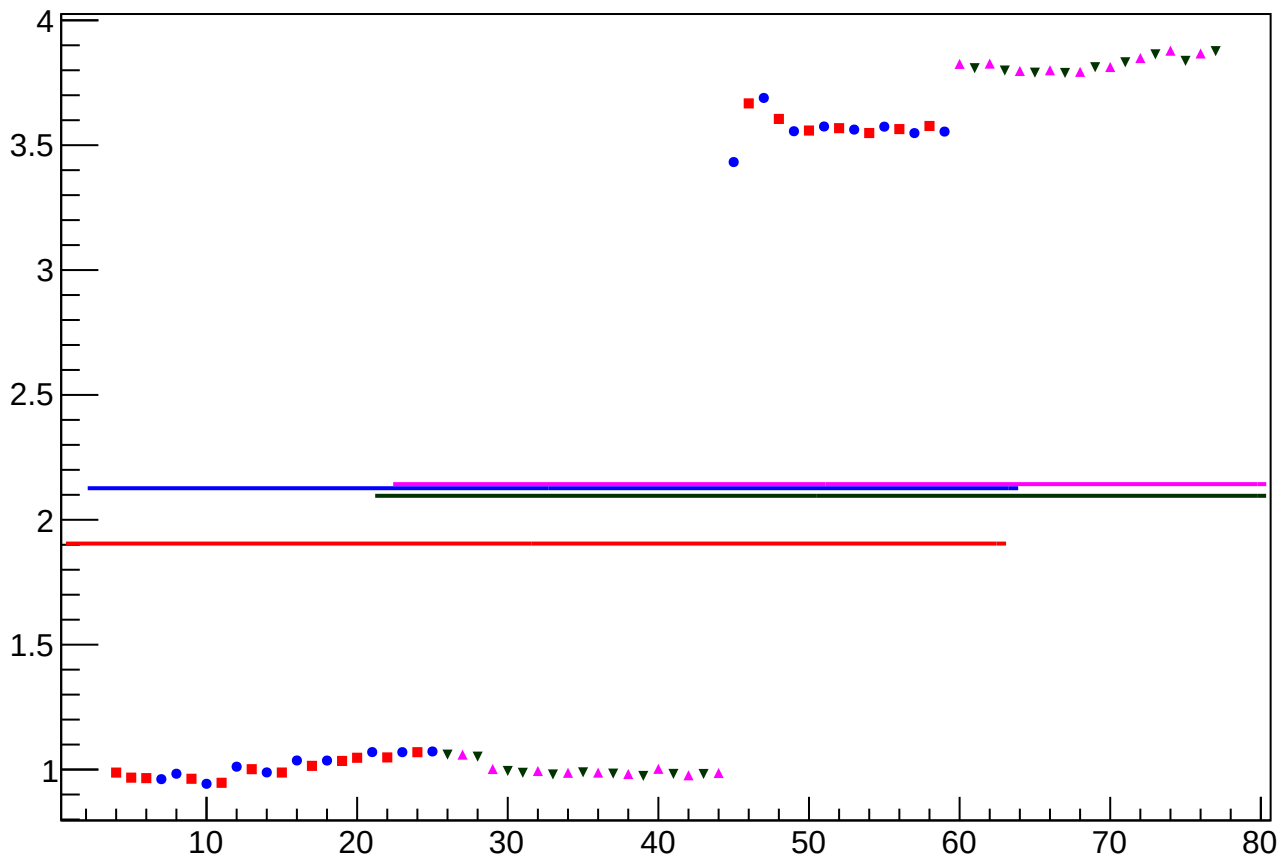
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 54886.5/18

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:157954.4/17

0.013 $\pm$ 0.000 χ^2 /NDF: 284365.1/36

0.013 $\pm$ 0.000 χ^2 /NDF: 233564.4/36

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 2.096+/-0.000 χ^2/NDF : 295161991720.1/18

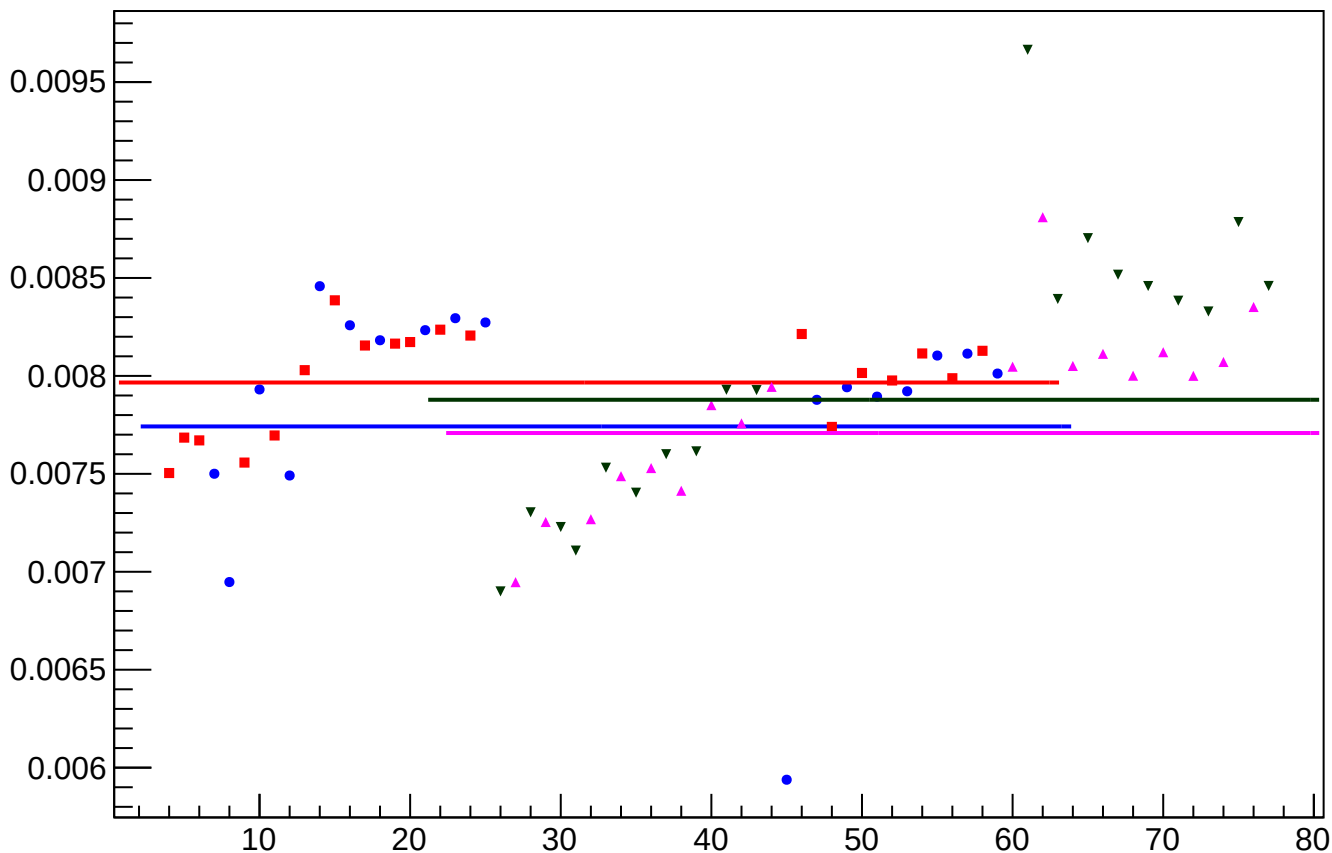
Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

Left In: 2.143+/-0.000 χ^2/NDF : 325918341321.4/17

2.113+/-0.000 χ^2/NDF : 587872589854.0/36

2.029+/-0.000 χ^2/NDF : 566534758835.2/36

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 178907.2/17

Left Out: 0.008+/-0.000 χ^2/NDF :126858.1/18

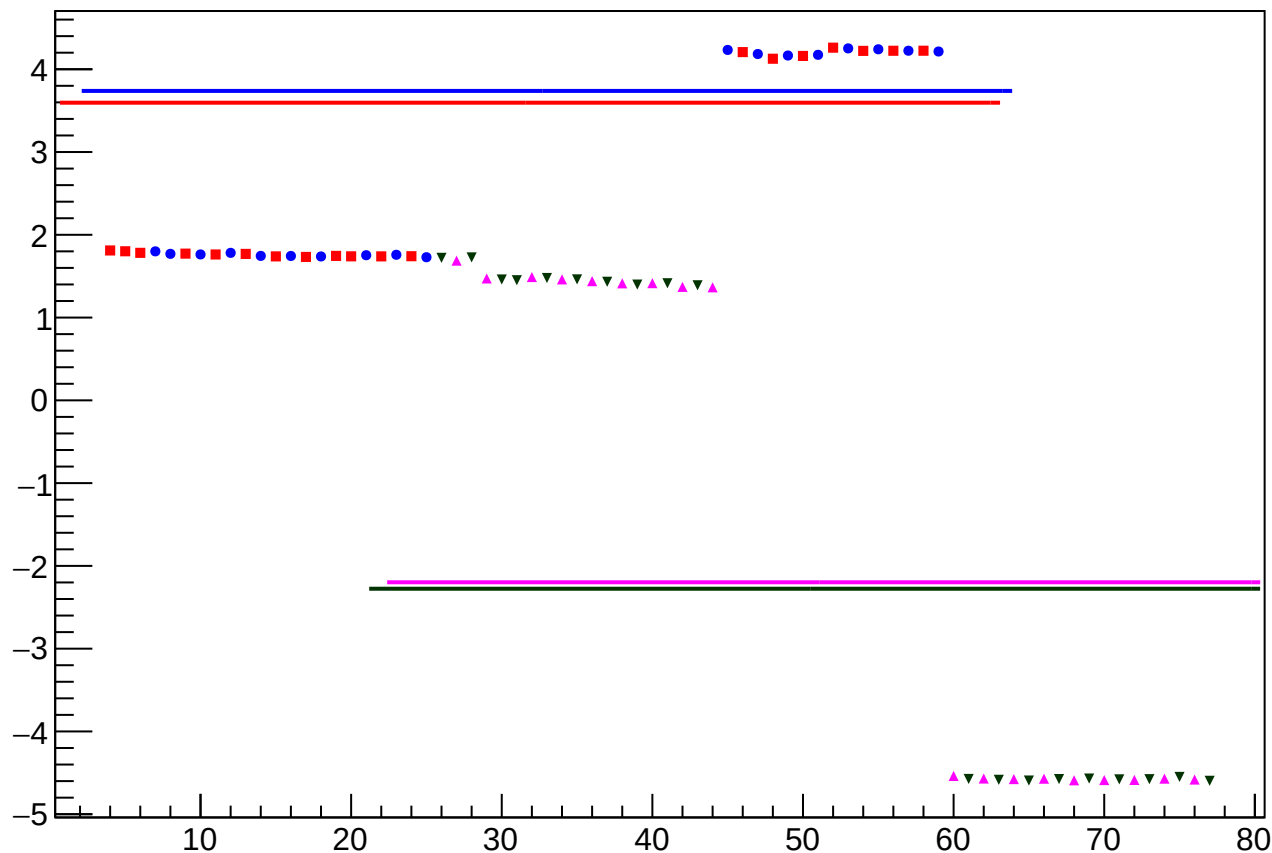
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF :71752.2/17

0.008+/-0.000 χ^2/NDF : 308898.7/36

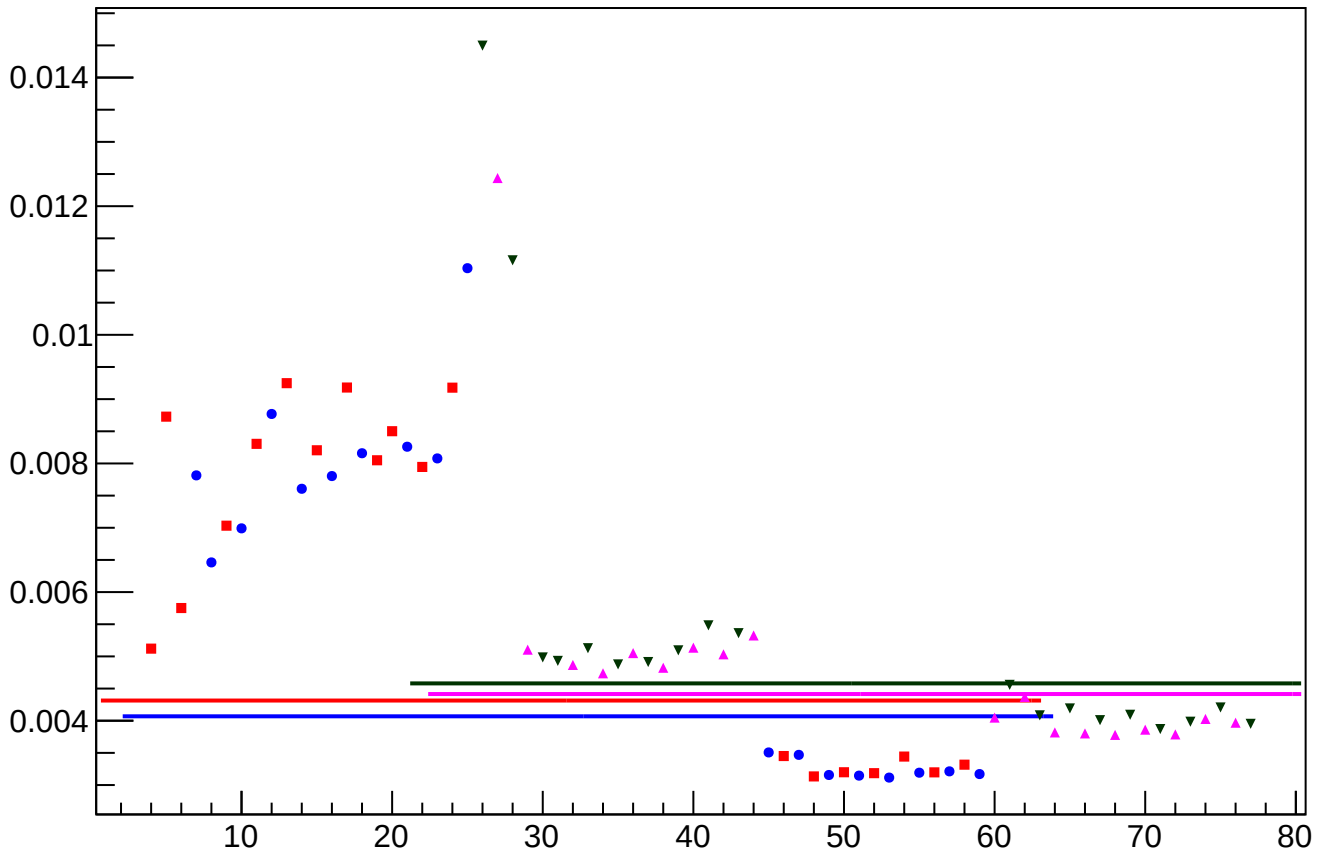
0.008+/-0.000 χ^2/NDF : 102604.7/36

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000	χ^2/NDF : 502669373965.6/17	1.115+/-0.000	χ^2/NDF : 12597576646943.3/36
Left Out: -2.276+/-0.000	χ^2/NDF : 3581907488324.6/18		
Right Out: 3.596+/-0.000	χ^2/NDF : 468031292414.6/18	0.520+/-0.000	χ^2/NDF : 12083345134291.2/36
Left In: -2.198+/-0.000	χ^2/NDF : 4120180604242.3/17		

yield_bpm1i04Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 3401724.5/17

Left Out: 0.005+/-0.000 χ^2/NDF :1122087.2/18

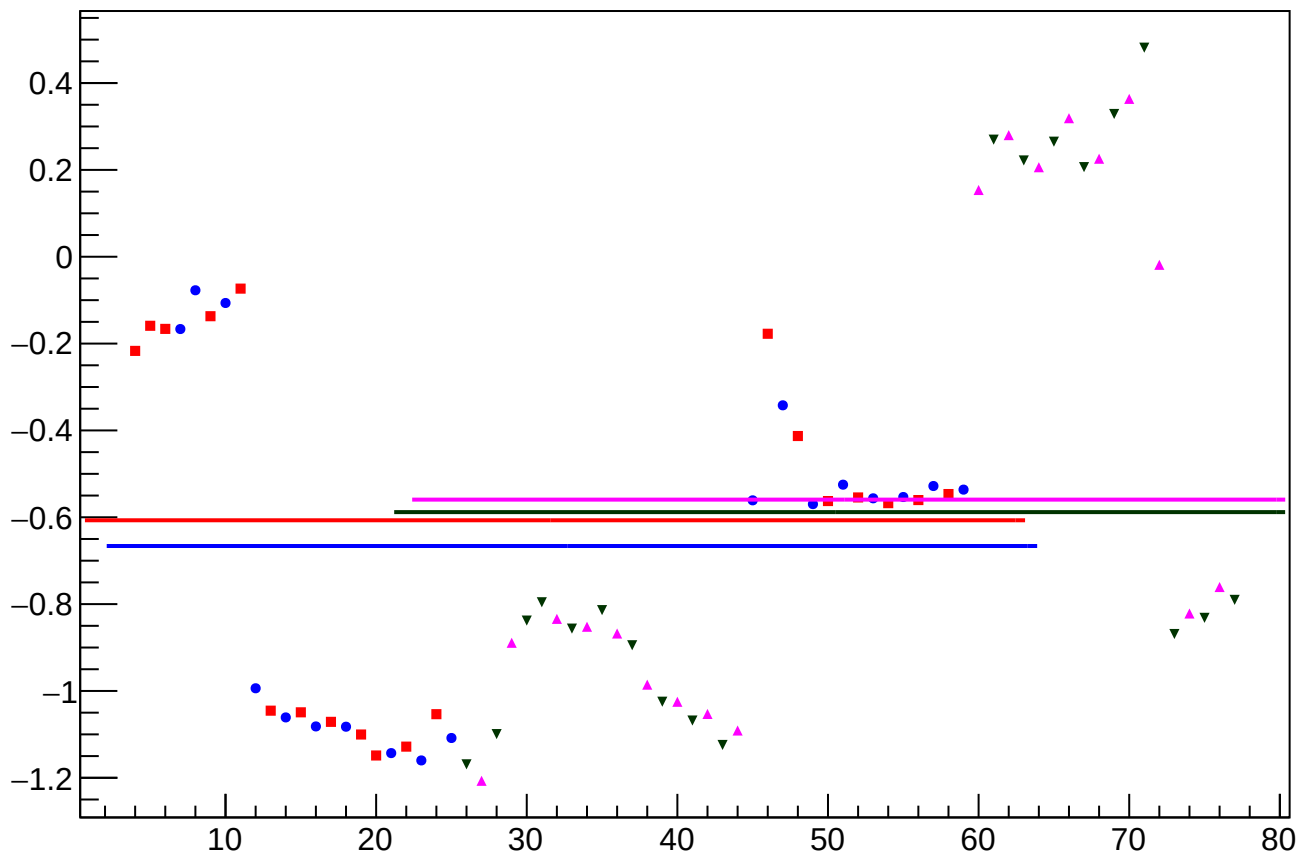
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.004+/-0.000 χ^2/NDF :889049.4/17

0.004+/-0.000 χ^2/NDF : 4647085.7/36

0.004+/-0.000 χ^2/NDF : 4134877.9/36

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.588+/-0.000 χ^2/NDF : 39480712313.9/18

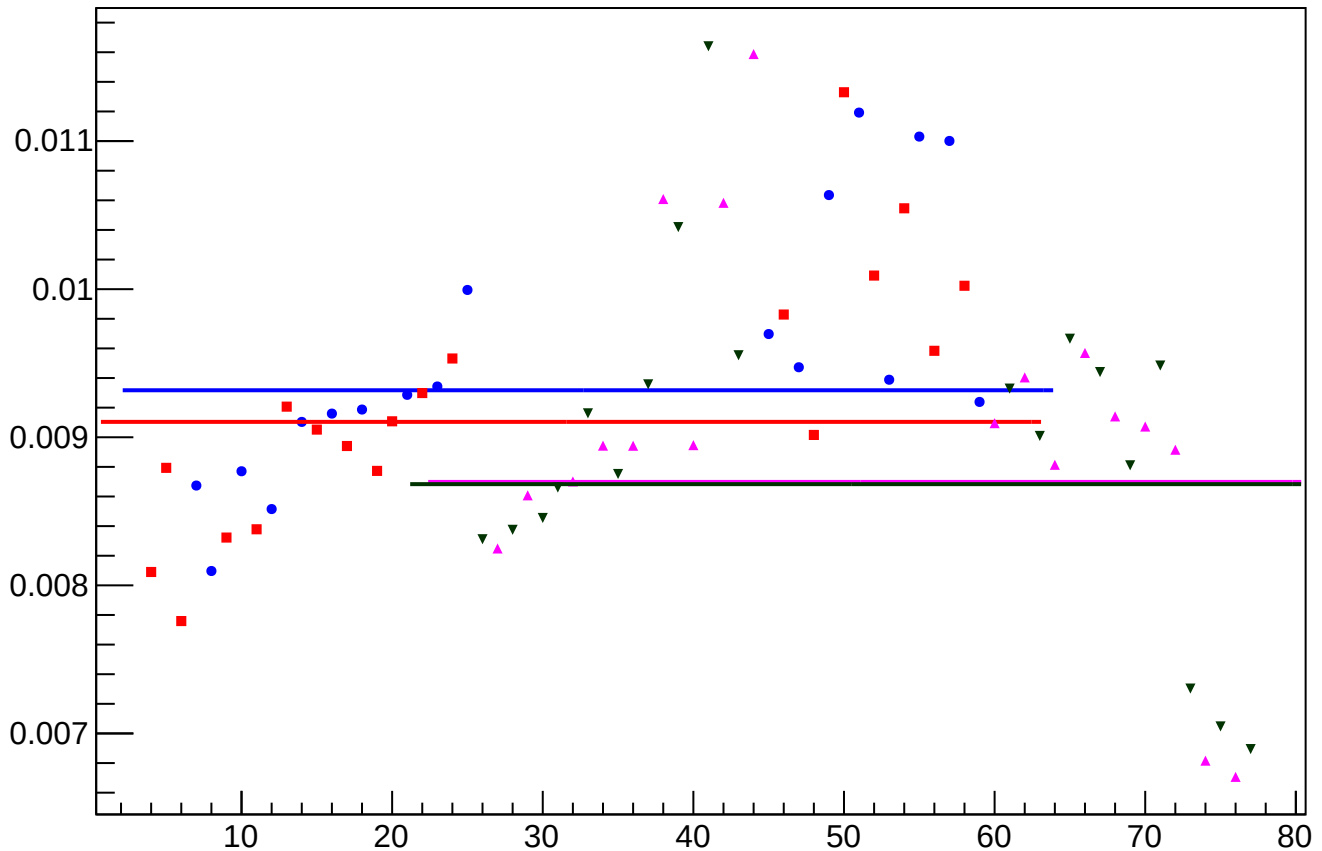
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.559+/-0.000 χ^2/NDF : 39912243969.0/17

-0.627+/-0.000 χ^2/NDF : 58999530932.2/36

-0.582+/-0.000 χ^2/NDF : 59269167457.1/36

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 165772.4/17

Left Out: 0.009+/-0.000 χ^2/NDF : 311050.4/18

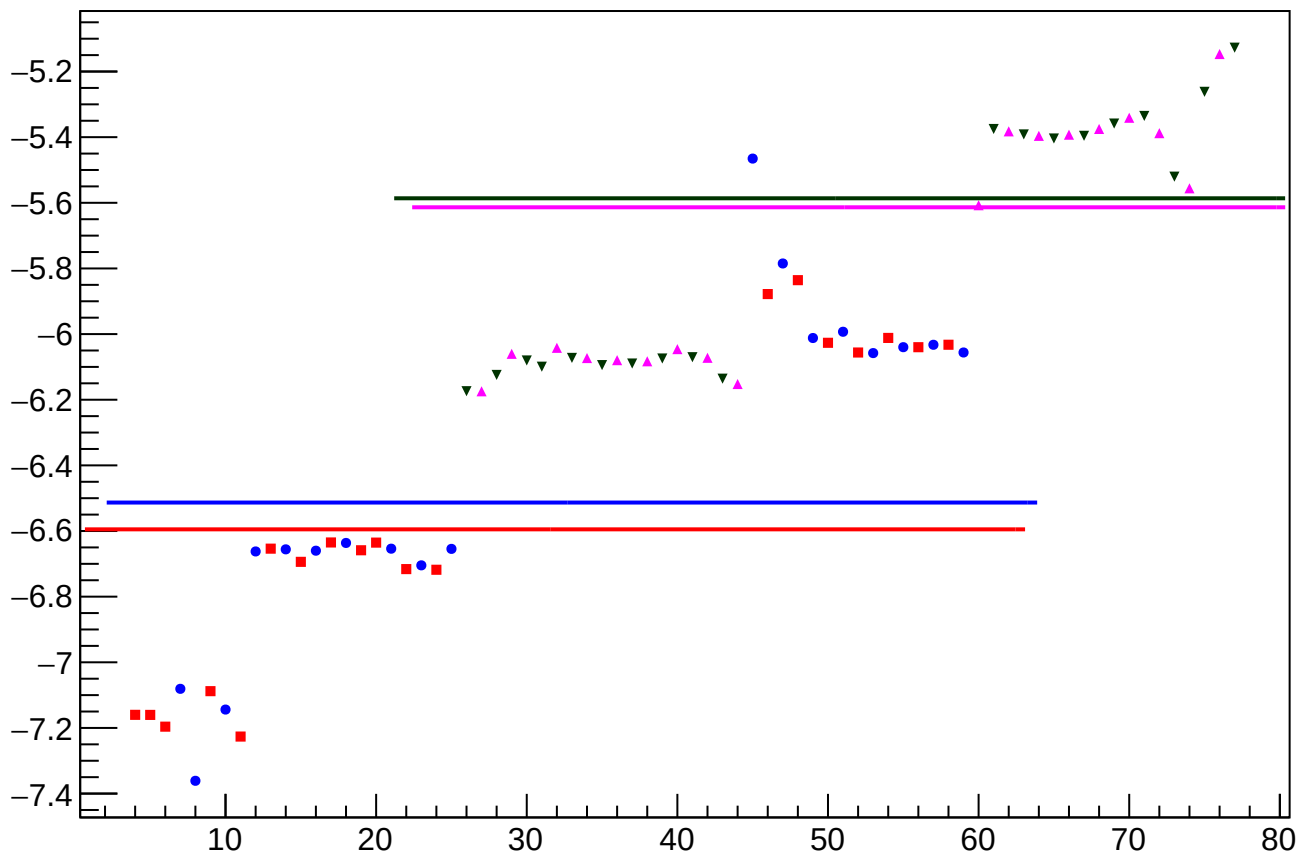
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.009+/-0.000 χ^2/NDF : 331199.2/17

0.009+/-0.000 χ^2/NDF : 527390.2/36

0.009+/-0.000 χ^2/NDF : 510588.8/36

yield_bpm0l01Y_mean vs slug



Right In: -6.513+/-0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.586+/-0.000 χ^2/NDF : 21808767699.1/18

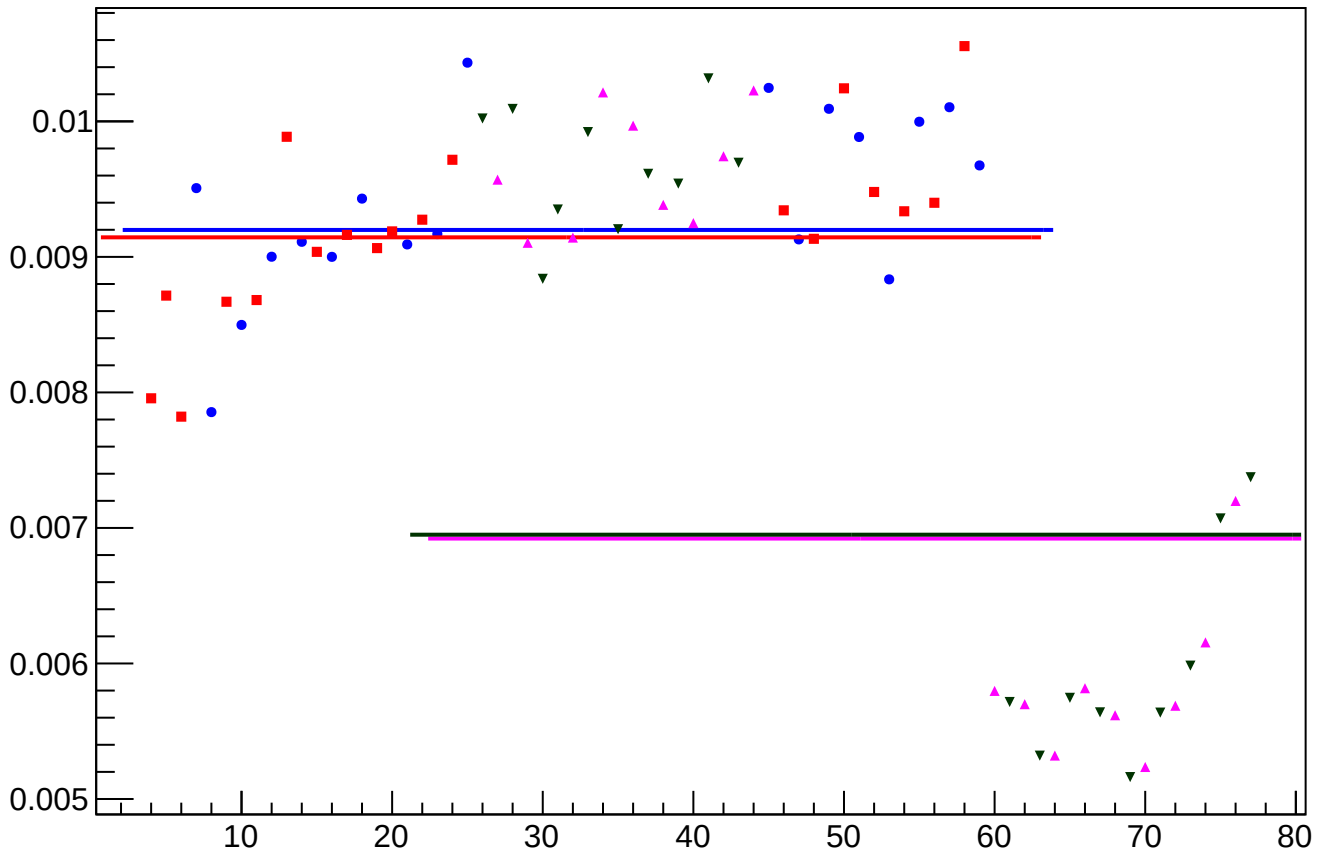
Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

Left In: -5.614+/-0.000 χ^2/NDF : 21315391379.5/17

-5.966+/-0.000 χ^2/NDF : 120807925278.3/36

-5.975+/-0.000 χ^2/NDF : 116314986906.7/36

yield_bpm0l01Y_rms vs slug



Right In: 0.009 ± 0.000 χ^2/NDF : 120528.1/17

Left Out: 0.007 ± 0.000 χ^2/NDF : 1254995.8/18

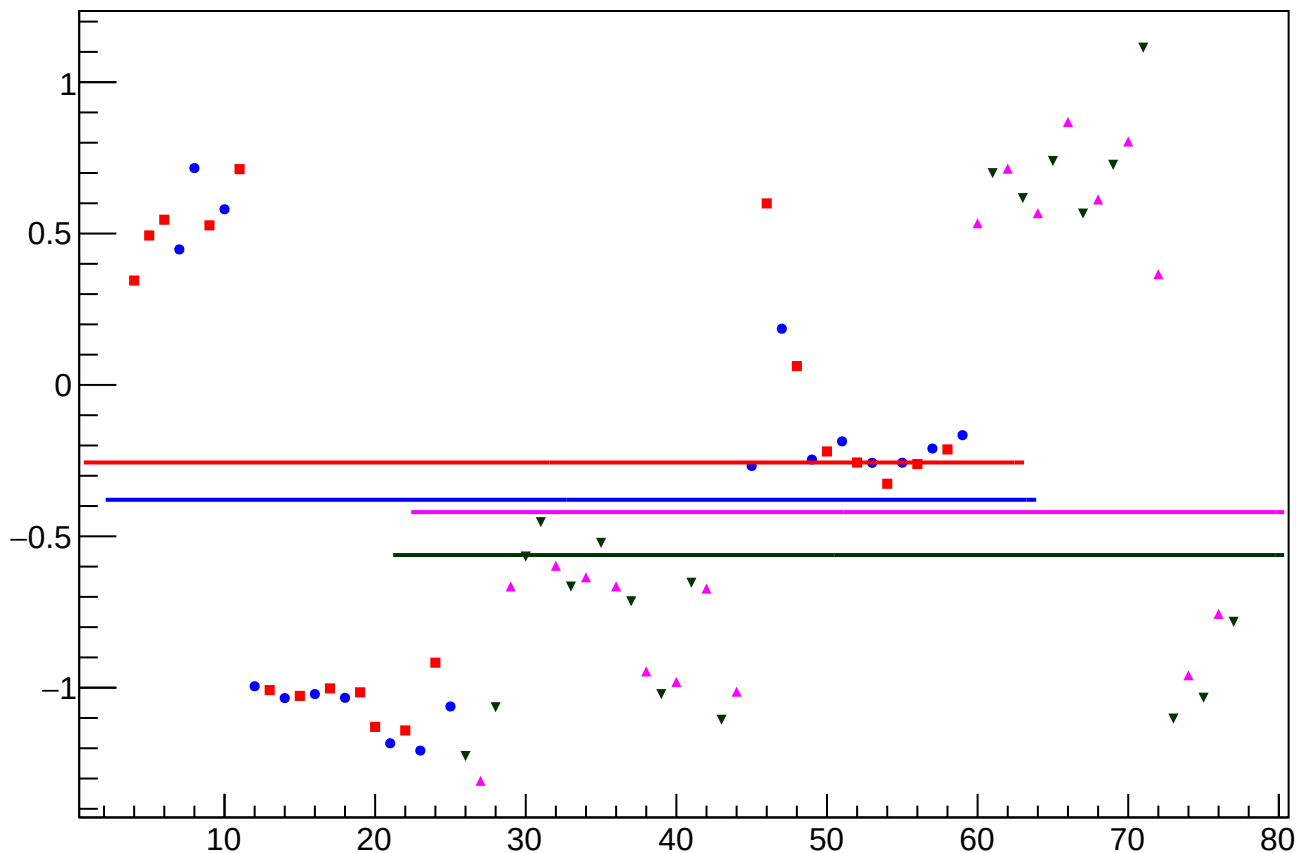
Right Out: 0.009 ± 0.000 χ^2/NDF : 101222.8/18

Left In: 0.007 ± 0.000 χ^2/NDF : 1267198.6/17

0.008 ± 0.000 χ^2/NDF : 2139233.4/36

0.008 ± 0.000 χ^2/NDF : 2078738.2/36

yield_bpm0l02X_mean vs slug



Right In: -0.379+/-0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.562+/-0.000 χ^2/NDF : 22998399092.1/18

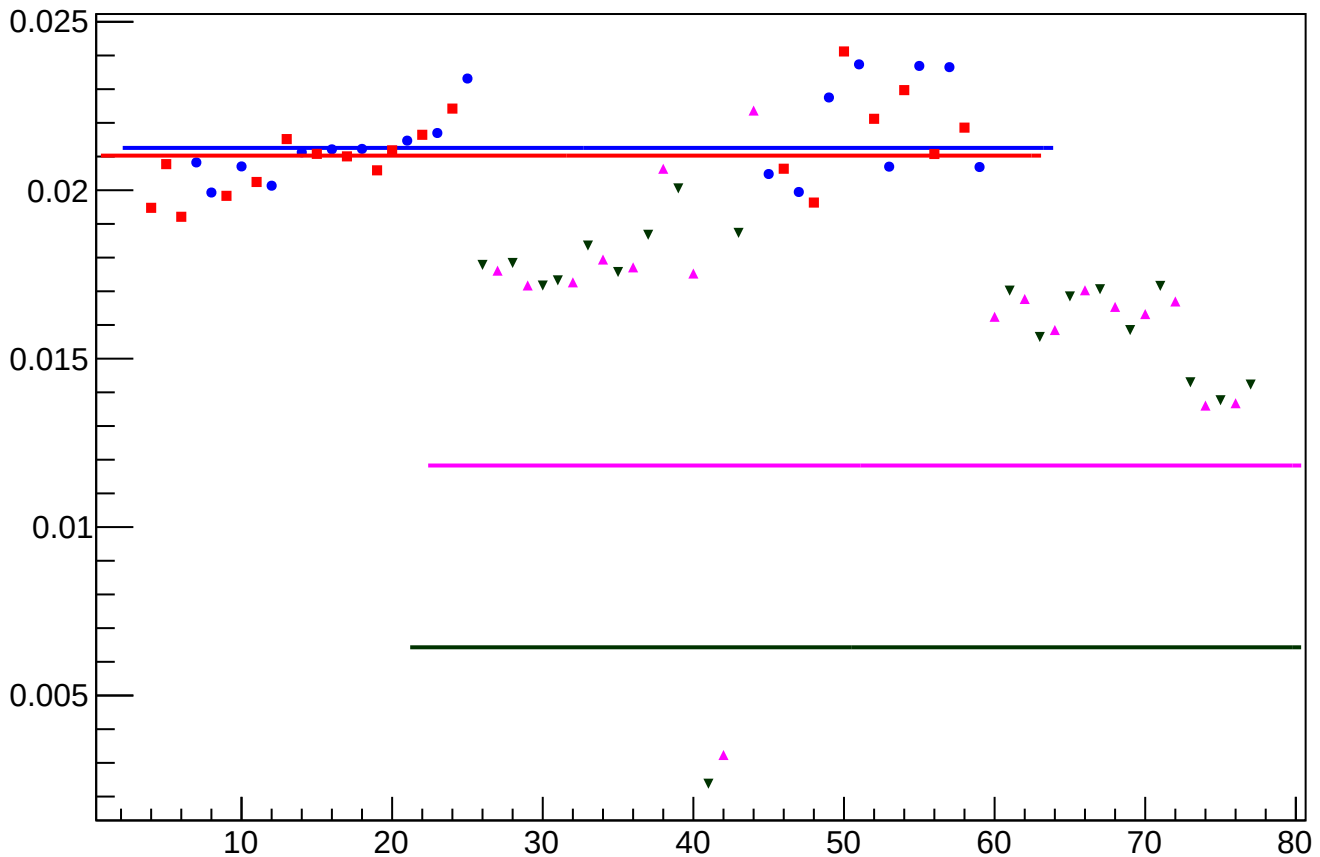
Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.420+/-0.000 χ^2/NDF : 20936529152.6/17

-0.530+/-0.000 χ^2/NDF : 33805596079.8/36

-0.372+/-0.000 χ^2/NDF : 31458846497.1/36

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 64142.6/17

Left Out: 0.006+/-0.000 χ^2/NDF : 9699965.7/18

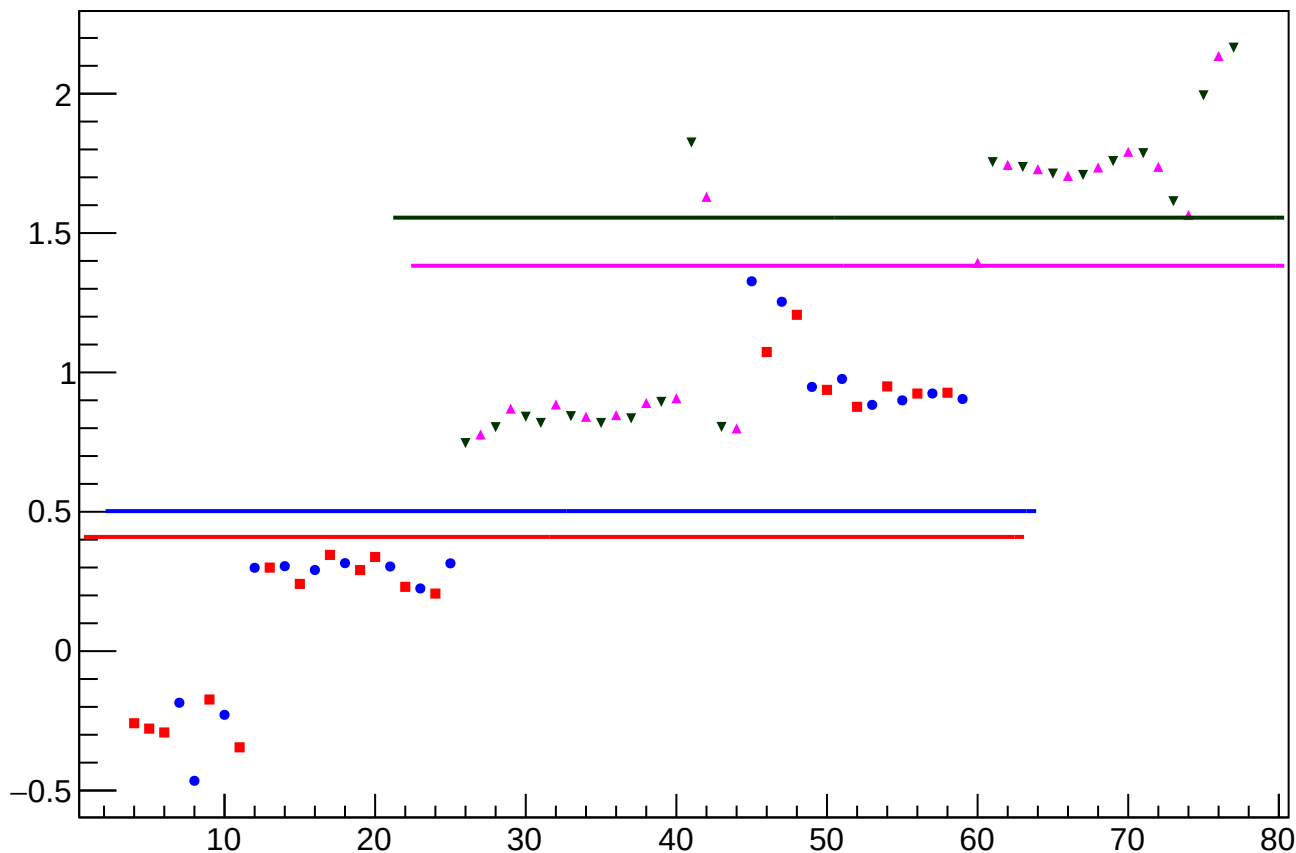
Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

Left In: 0.012+/-0.000 χ^2/NDF : 4701415.3/17

0.009+/-0.000 χ^2/NDF : 18610739.6/36

0.015+/-0.000 χ^2/NDF : 7403525.3/36

yield_bpm0l02Y_mean vs slug



Right In: 0.502 $\pm$ 0.000 χ^2 /NDF: 19155654908.3/17

Left Out: 1.555 $\pm$ 0.000 χ^2 /NDF: 24983304499.7/18

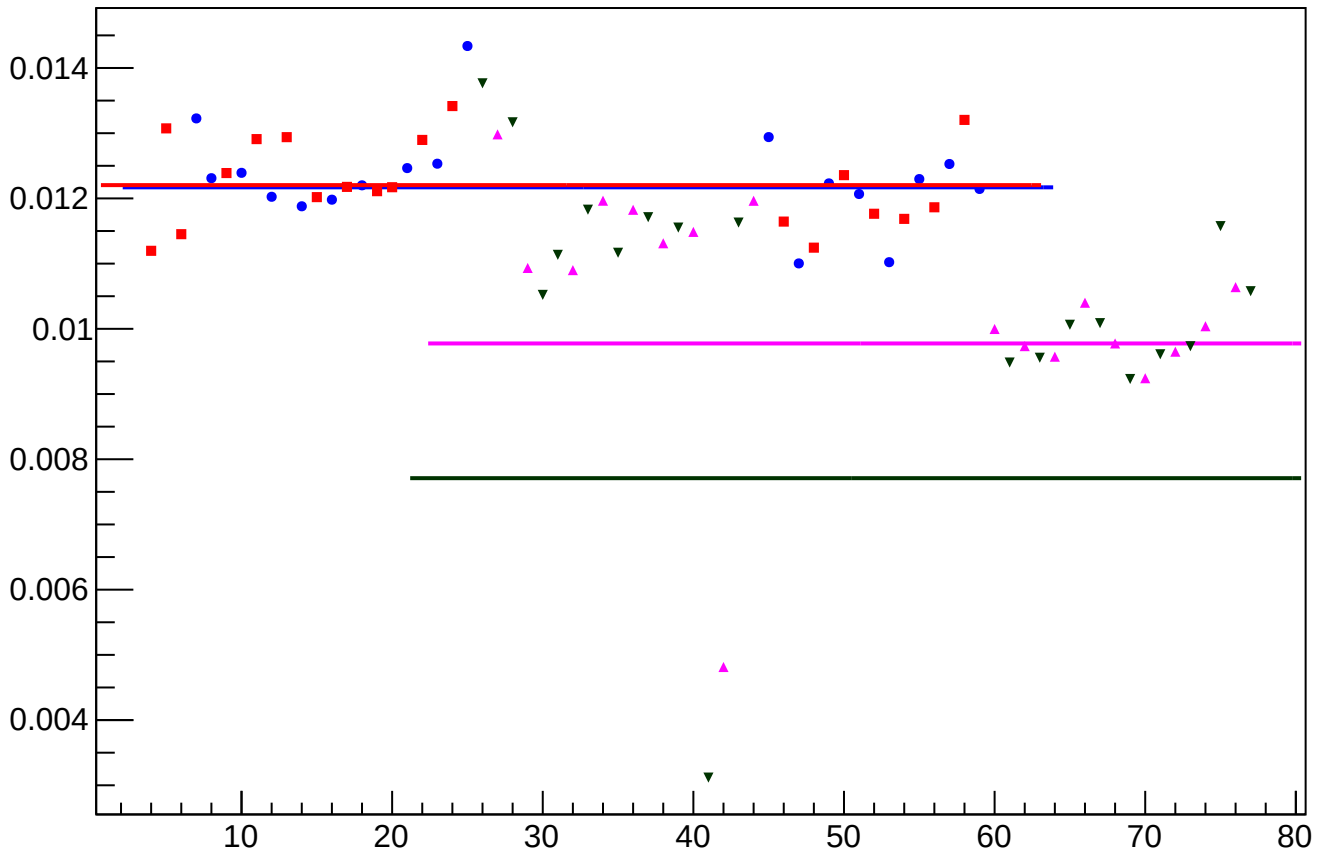
Right Out: 0.410 $\pm$ 0.000 χ^2 /NDF: 16439315084.0/18

Left In: 1.383 $\pm$ 0.000 χ^2 /NDF: 18426533512.8/17

1.174 $\pm$ 0.000 χ^2 /NDF: 96370760274.0/36

0.998 $\pm$ 0.000 χ^2 /NDF: 71810160435.0/36

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45604.3/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3755828.3/18

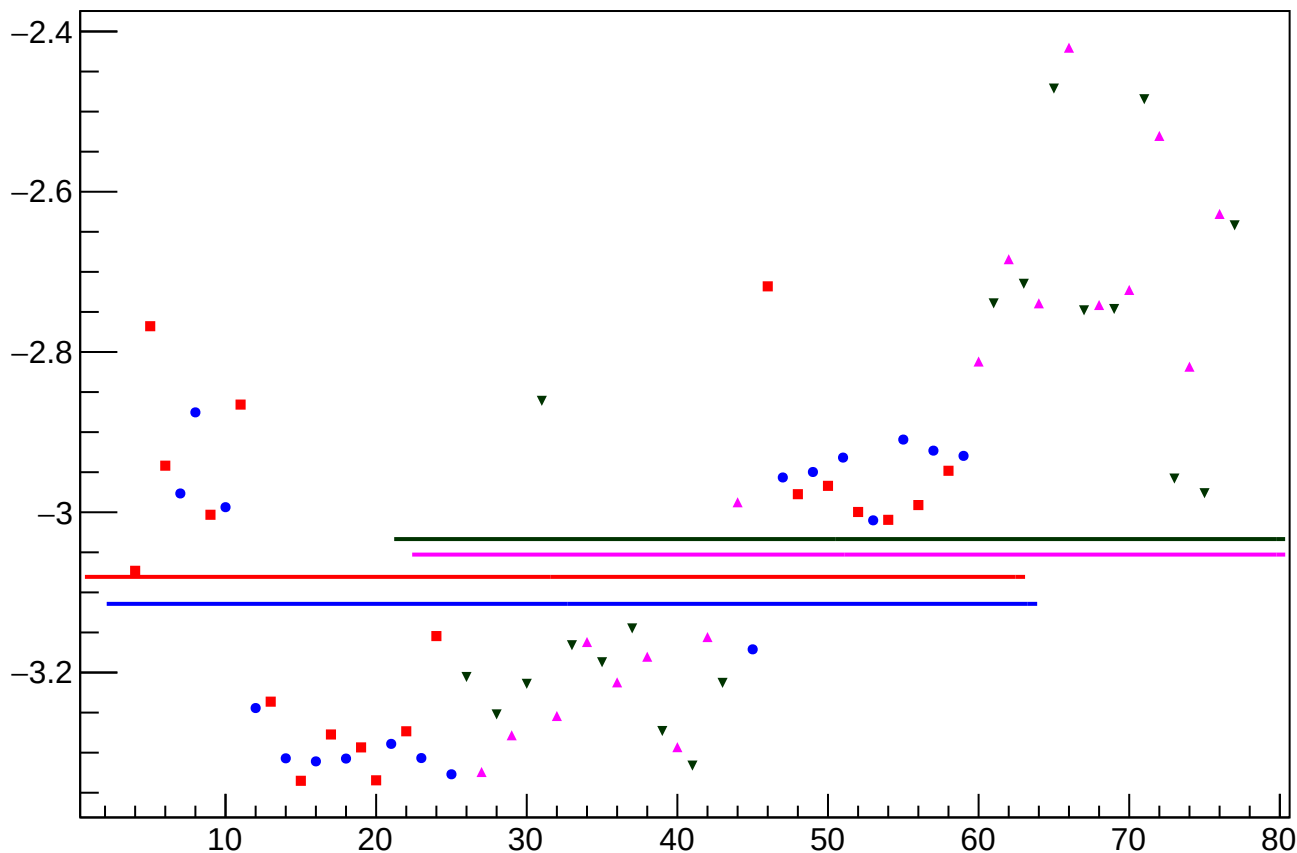
0.009 $\pm$ 0.000 χ^2 /NDF: 5675900.3/36

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1509822.8/36

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 996434.3/17

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.033+/-0.000 χ^2/NDF : 11257152570.4/18

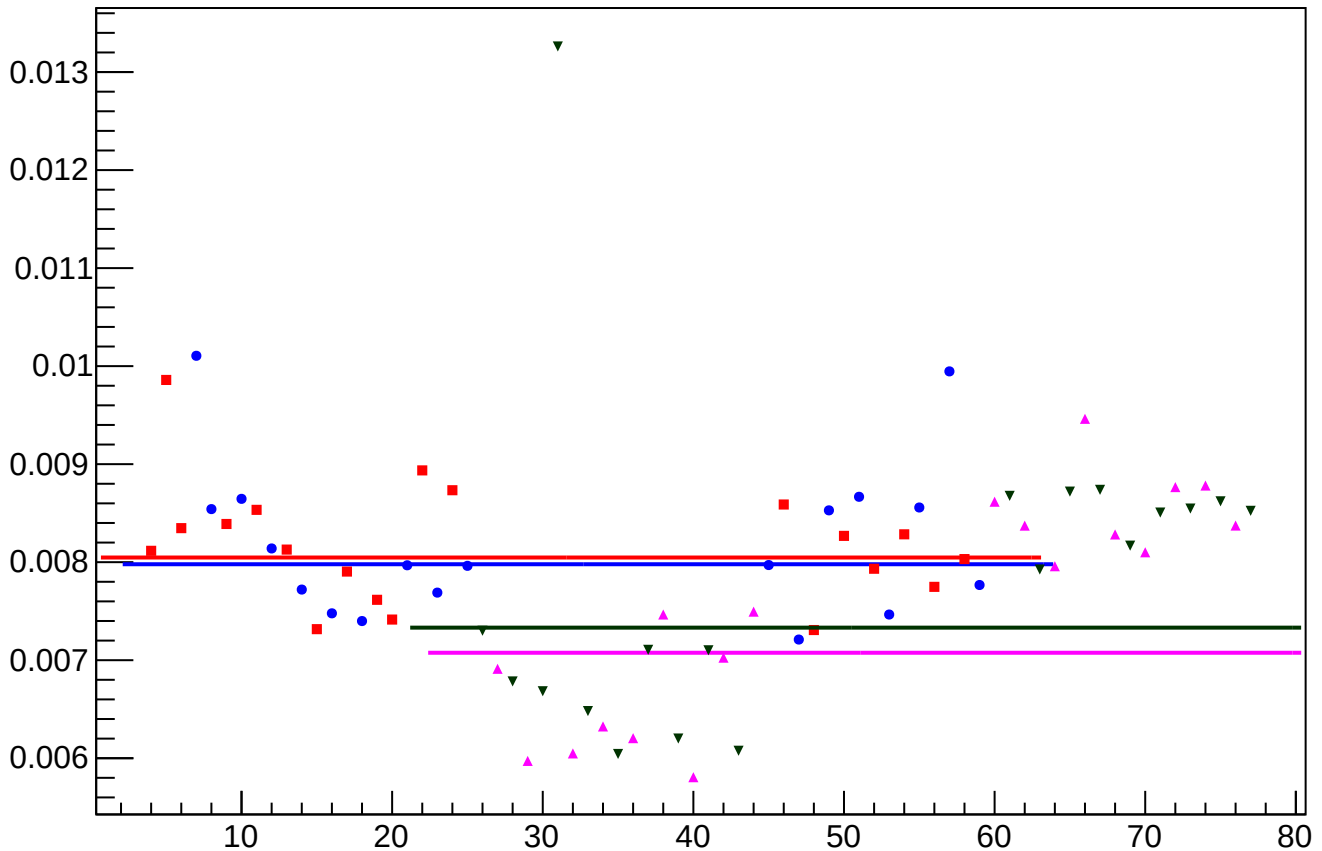
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.053+/-0.000 χ^2/NDF : 13098373448.4/17

-3.073+/-0.000 χ^2/NDF : 16387409170.1/36

-3.065+/-0.000 χ^2/NDF : 16995389132.6/36

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 95241.7/17

Left Out: 0.007+/-0.000 χ^2/NDF : 418951.7/18

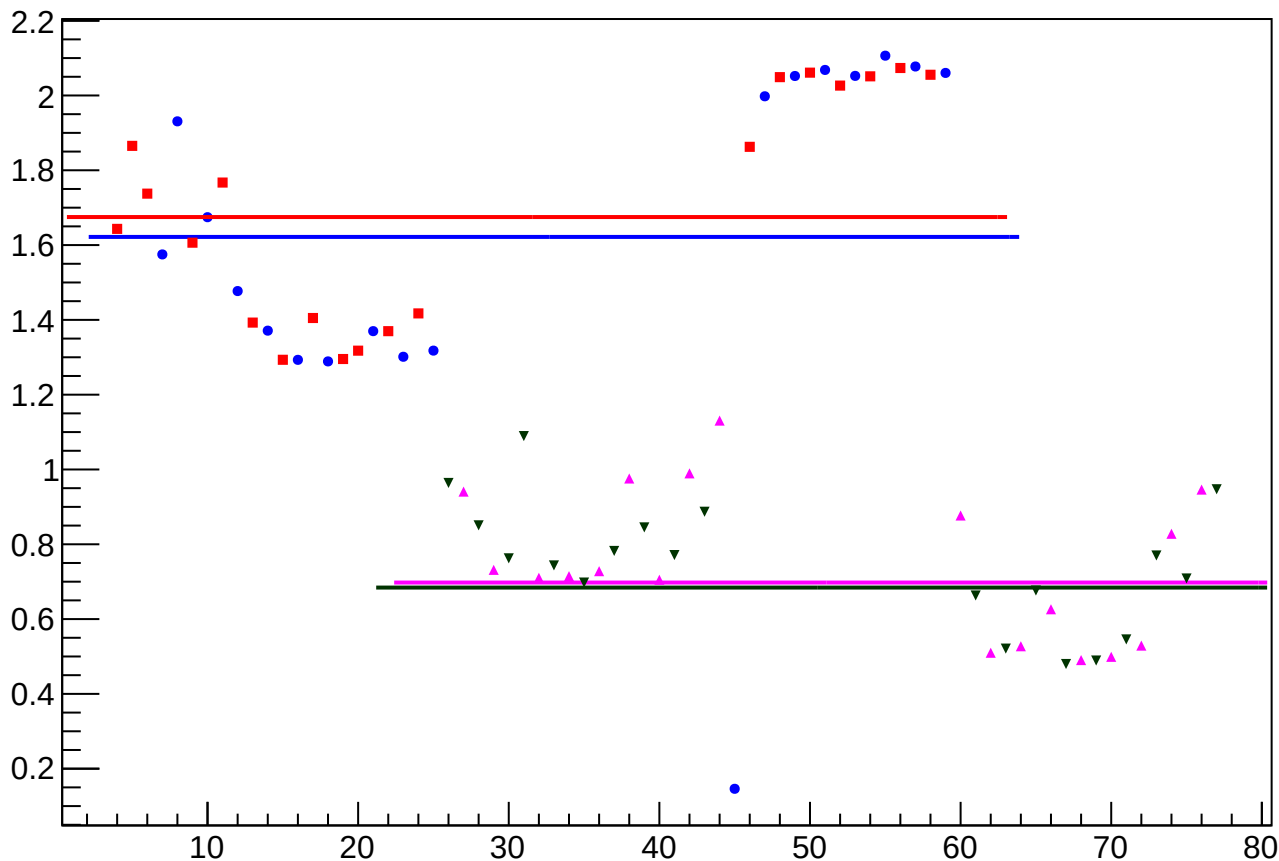
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 421251.1/17

0.008+/-0.000 χ^2/NDF : 578540.6/36

0.007+/-0.000 χ^2/NDF : 619709.7/36

yield_bpm0l03Y_mean vs slug



Right In: 1.622 $\pm$ 0.000 χ^2 /NDF: 26006902897.9/17

Left Out: 0.684 $\pm$ 0.000 χ^2 /NDF:3628562496.9/18

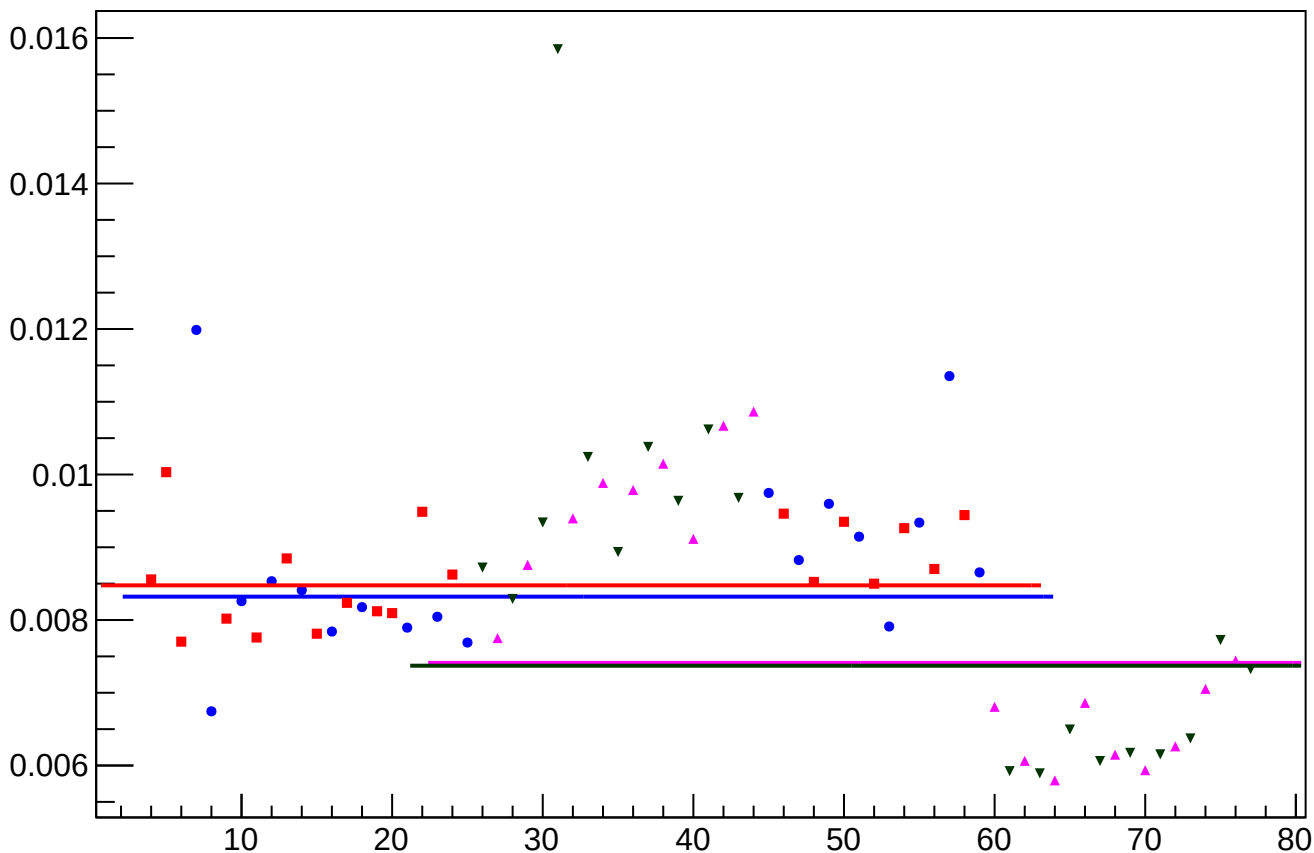
Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 9809193440.2/18

Left In: 0.698 $\pm$ 0.000 χ^2 /NDF:5309698708.7/17

1.130 $\pm$ 0.000 χ^2 /NDF: 91974450053.9/36

1.109 $\pm$ 0.000 χ^2 /NDF: 78098087164.4/36

yield_bpm0l03Y_rms vs slug



Right In: 0.008 ± 0.000 χ^2/NDF : 231289.2/17

Left Out: 0.007 ± 0.000 χ^2/NDF : 867672.0/18

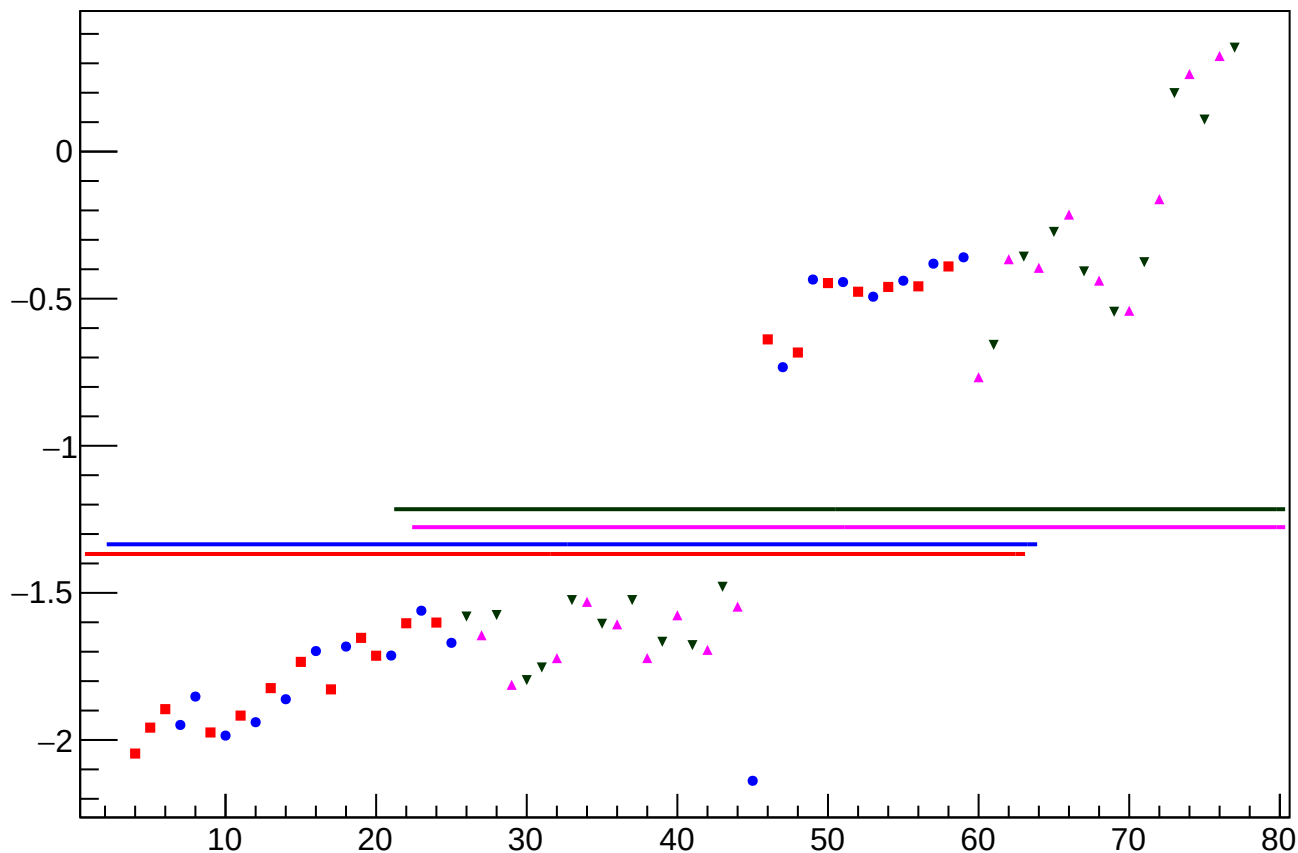
Right Out: 0.008 ± 0.000 χ^2/NDF : 80155.6/18

Left In: 0.007 ± 0.000 χ^2/NDF : 734486.6/17

0.008 ± 0.000 χ^2/NDF : 1226750.4/36

0.008 ± 0.000 χ^2/NDF : 964343.6/36

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.216+/-0.000 χ^2/NDF : 22306134119.8/18

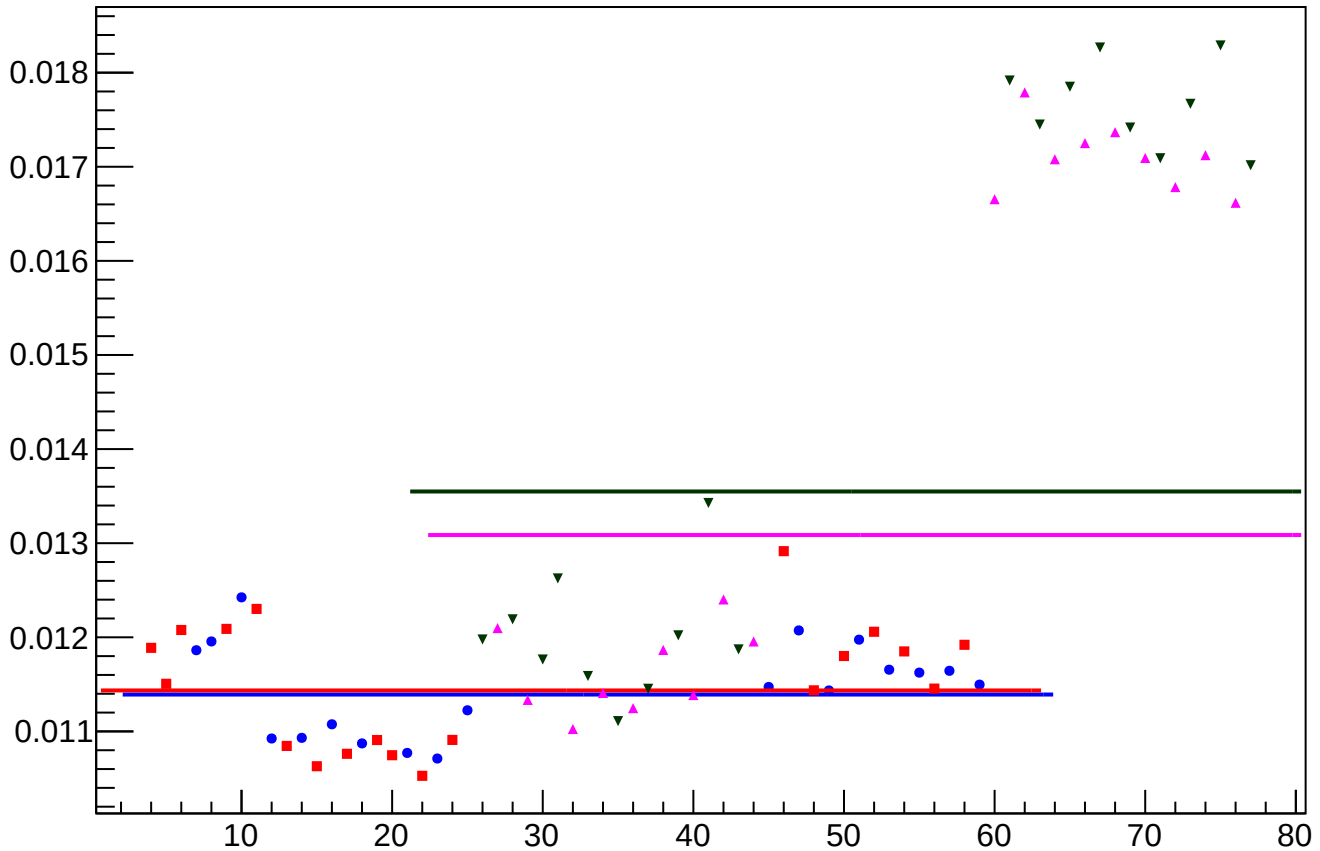
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.277+/-0.000 χ^2/NDF : 25230768394.3/17

-1.290+/-0.000 χ^2/NDF : 61158230819.1/36

-1.328+/-0.000 χ^2/NDF : 54558144547.2/36

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 41989.4/17

Left Out: 0.014+/-0.000 χ^2/NDF : 699953.0/18

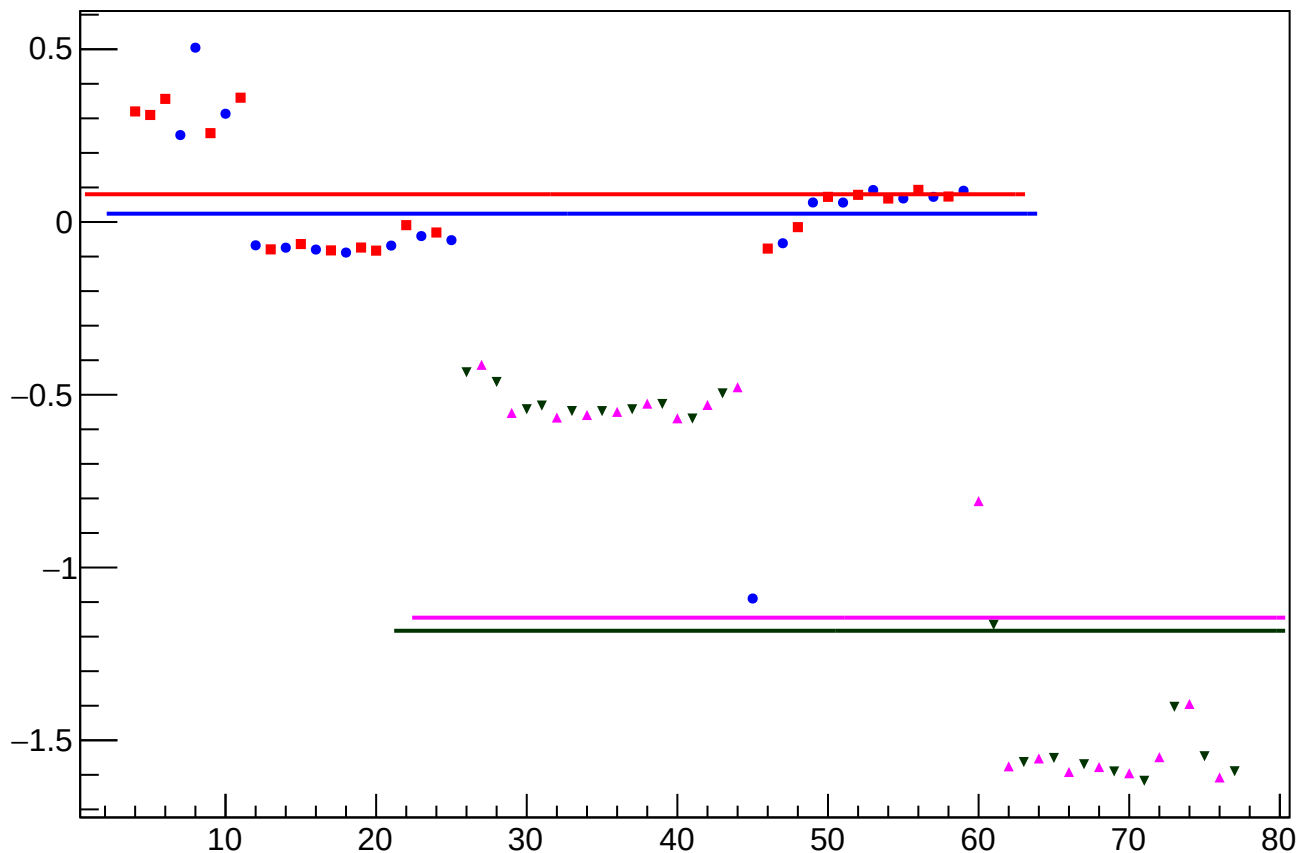
Right Out: 0.011+/-0.000 χ^2/NDF : 65676.1/18

Left In: 0.013+/-0.000 χ^2/NDF : 709809.6/17

0.012+/-0.000 χ^2/NDF : 1039620.2/36

0.012+/-0.000 χ^2/NDF : 952774.2/36

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -1.183+/-0.000 χ^2/NDF : 55114784660.2/18

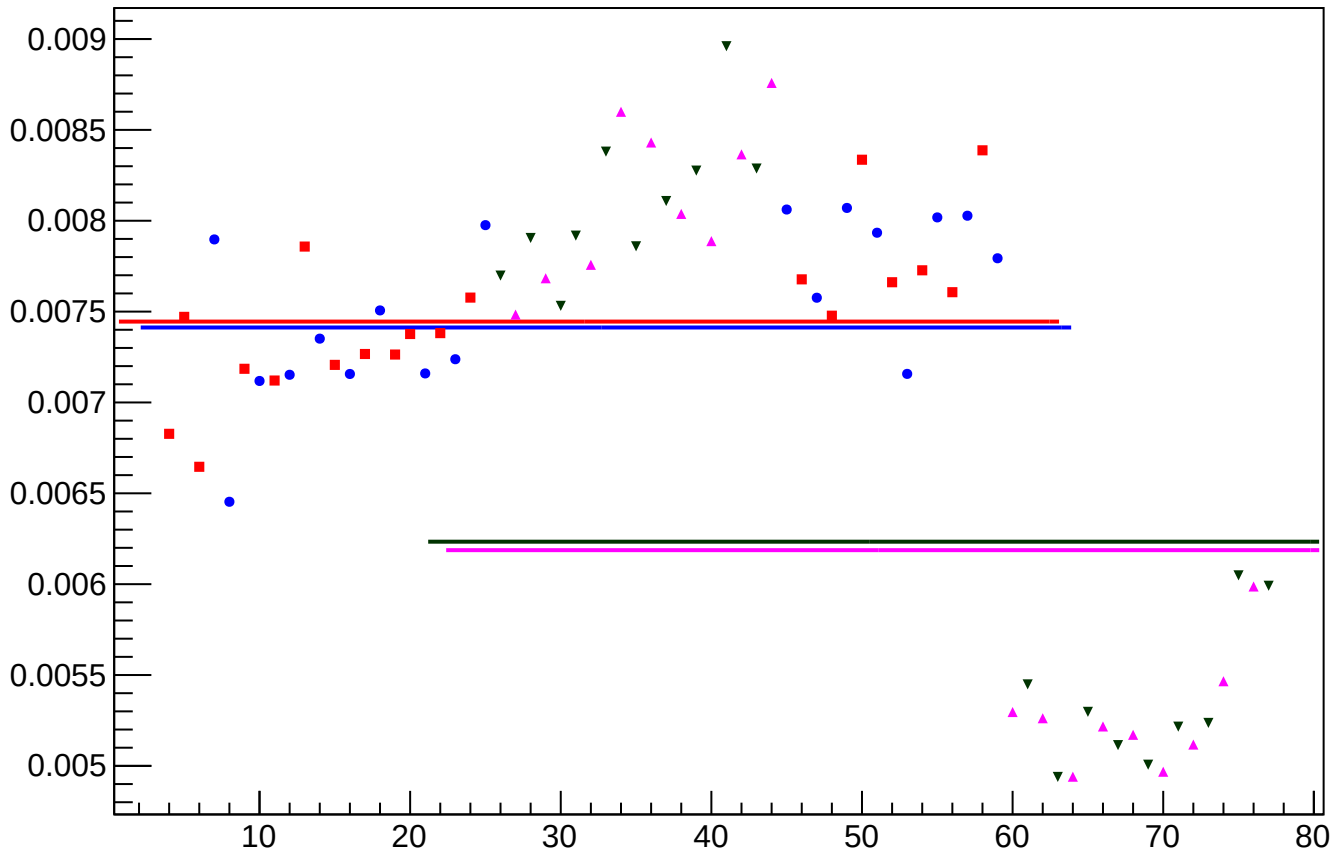
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -1.145+/-0.000 χ^2/NDF : 61133869613.3/17

-0.630+/-0.000 χ^2/NDF : 229913887250.8/36

-0.645+/-0.000 χ^2/NDF : 219196345320.1/36

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 91120.7/17

Left Out: 0.006+/-0.000 χ^2/NDF : 859491.1/18

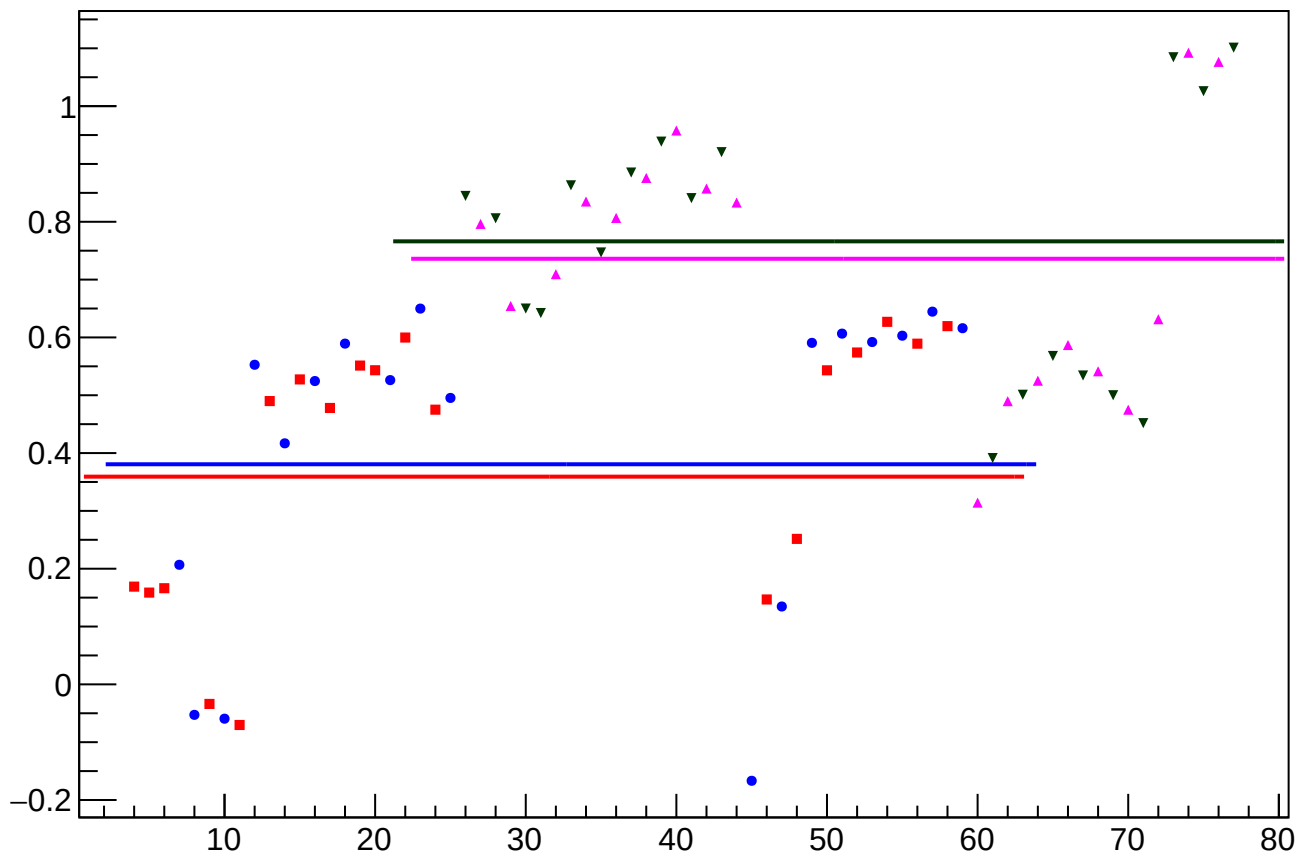
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 903817.1/17

0.007+/-0.000 χ^2/NDF : 1249209.9/36

0.007+/-0.000 χ^2/NDF : 1288433.5/36

yield_bpm0l05X_mean vs slug



Right In: 0.381+/-0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.766+/-0.000 χ^2/NDF : 8154419548.6/18

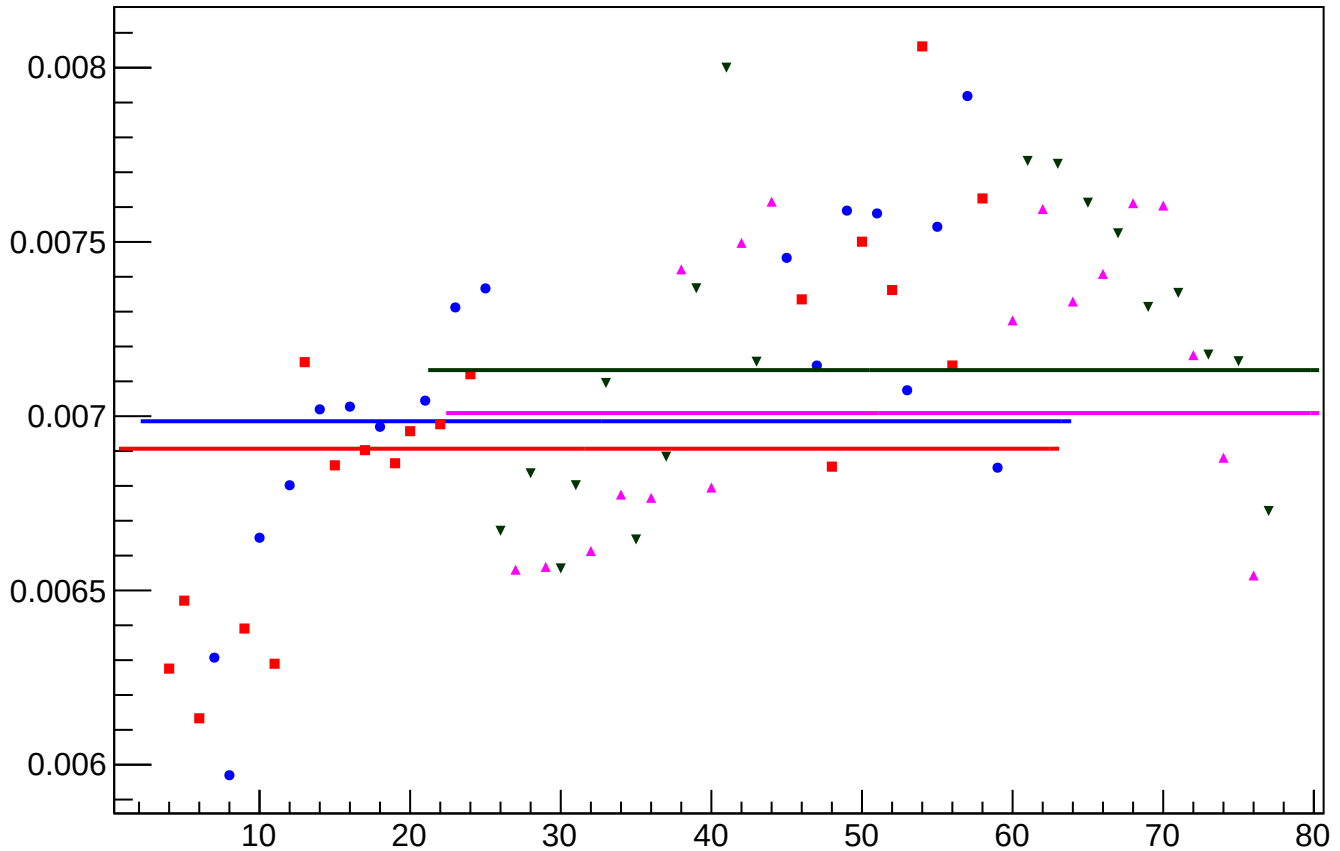
0.557+/-0.000 χ^2/NDF : 41214614684.1/36

Right Out: 0.359+/-0.000 χ^2/NDF : 11904326957.3/18

0.549+/-0.000 χ^2/NDF : 34460177940.1/36

Left In: 0.736+/-0.000 χ^2/NDF : 8077904762.0/17

yield_bpm0l05X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 107156.0/17

Left Out: 0.007+/-0.000 χ^2/NDF : 61327.1/18

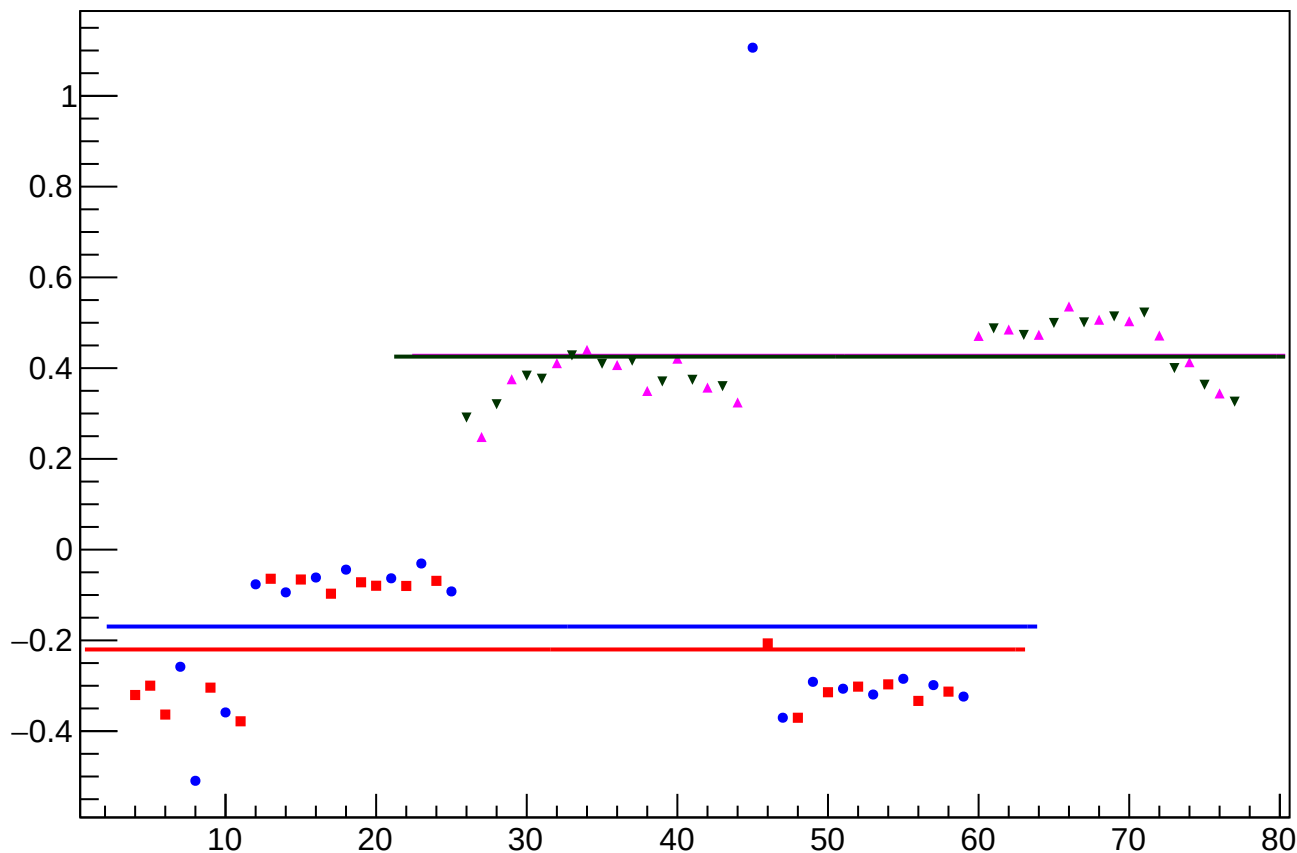
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 70319.4/17

0.007+/-0.000 χ^2/NDF : 172913.8/36

0.007+/-0.000 χ^2/NDF : 170007.9/36

yield_bpm0l05Y_mean vs slug



Right In: -0.169 ± 0.000 $\chi^2/\text{NDF}: 37135565875.9/17$

Left Out: 0.425 ± 0.000 $\chi^2/\text{NDF}: 2024580843.5/18$

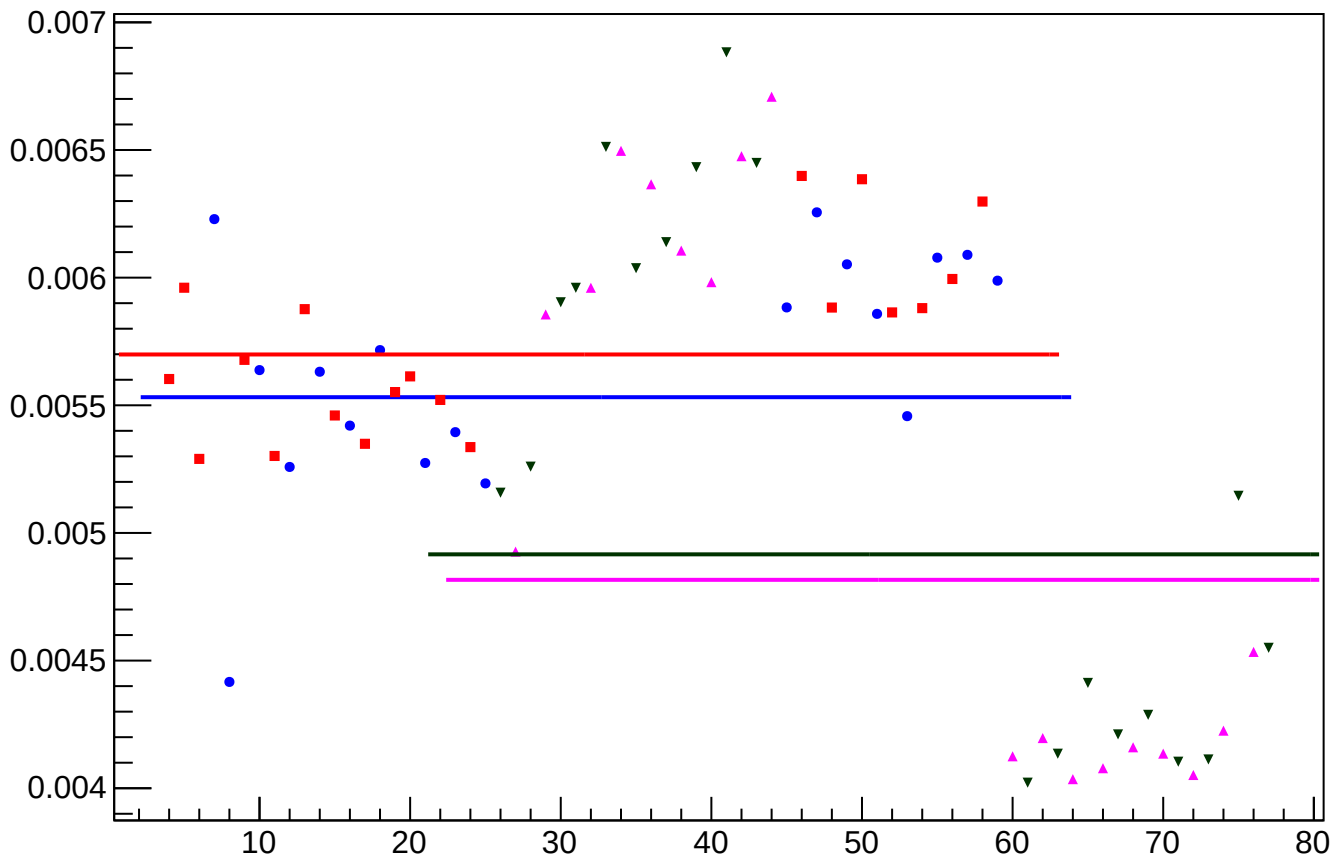
Right Out: -0.220 ± 0.000 $\chi^2/\text{NDF}: 4721801975.9/18$

Left In: 0.427 ± 0.000 $\chi^2/\text{NDF}: 2598303228.3/17$

0.139 ± 0.000 $\chi^2/\text{NDF}: 103751959716.4/36$

0.159 ± 0.000 $\chi^2/\text{NDF}: 79247289747.1/36$

yield_bpm0l05Y_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 186989.4/17

Left Out: 0.005+/-0.000 χ^2/NDF : 631636.4/18

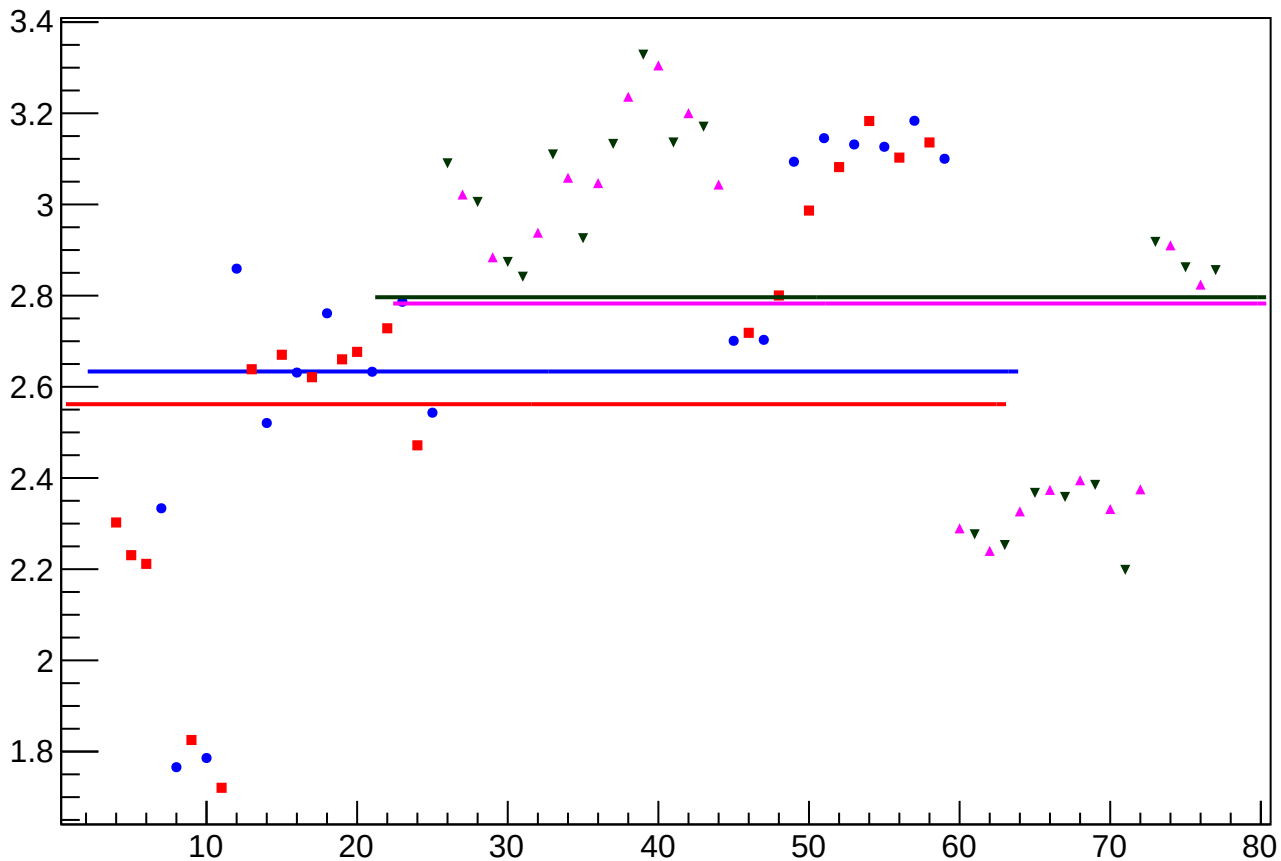
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 695684.7/17

0.005+/-0.000 χ^2/NDF : 956951.5/36

0.005+/-0.000 χ^2/NDF : 1029634.3/36

yield_bpm0l06X_mean vs slug



Right In: 2.634+/-0.000 χ^2/NDF : 15879791998.3/17

Left Out: 2.797+/-0.000 χ^2/NDF : 12897723426.0/18

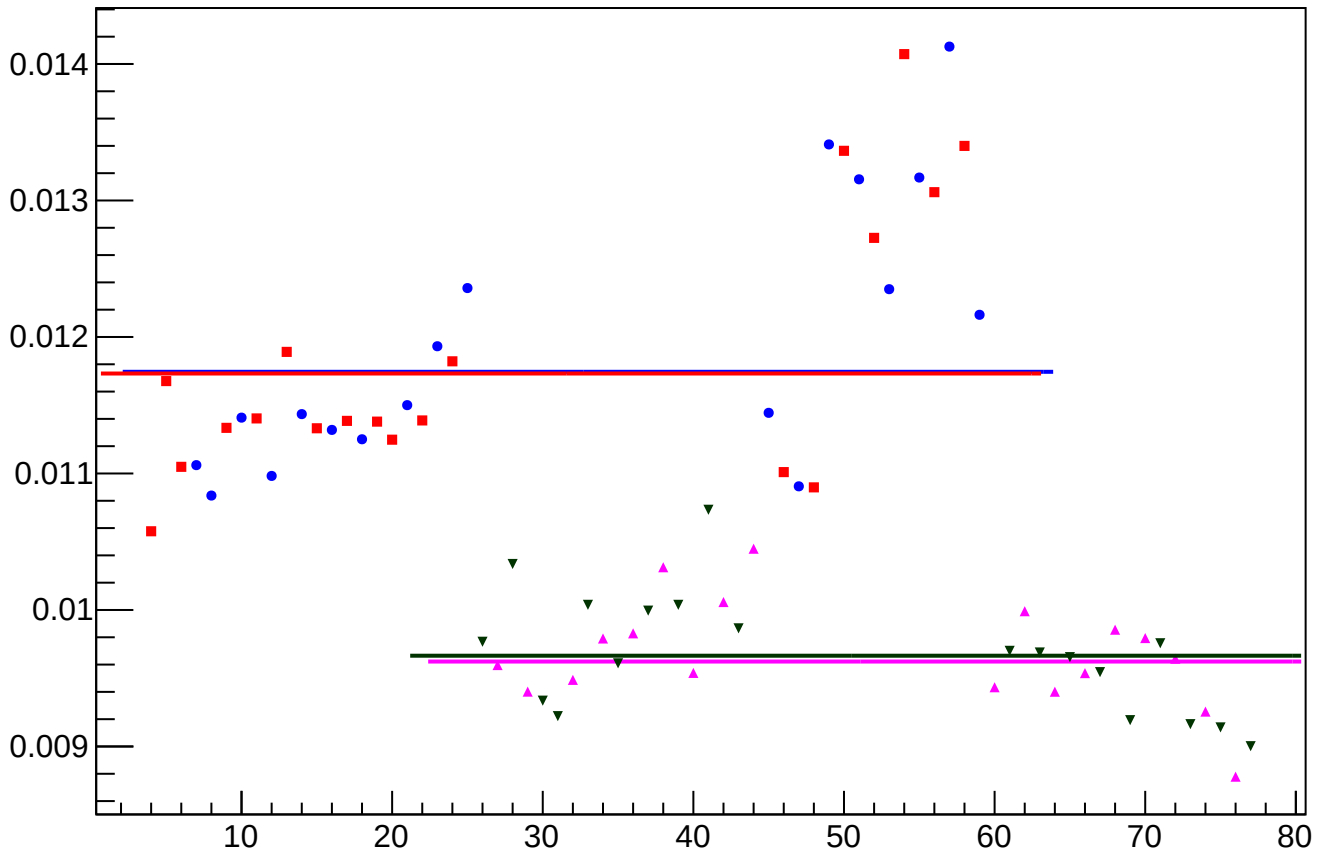
2.726+/-0.000 χ^2/NDF : 29969472545.4/36

Right Out: 2.562+/-0.000 χ^2/NDF : 12349960173.0/18

2.696+/-0.000 χ^2/NDF : 27362089302.4/36

Left In: 2.783+/-0.000 χ^2/NDF : 12938844841.2/17

yield_bpm0l06X_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 117347.2/17

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 39338.4/18

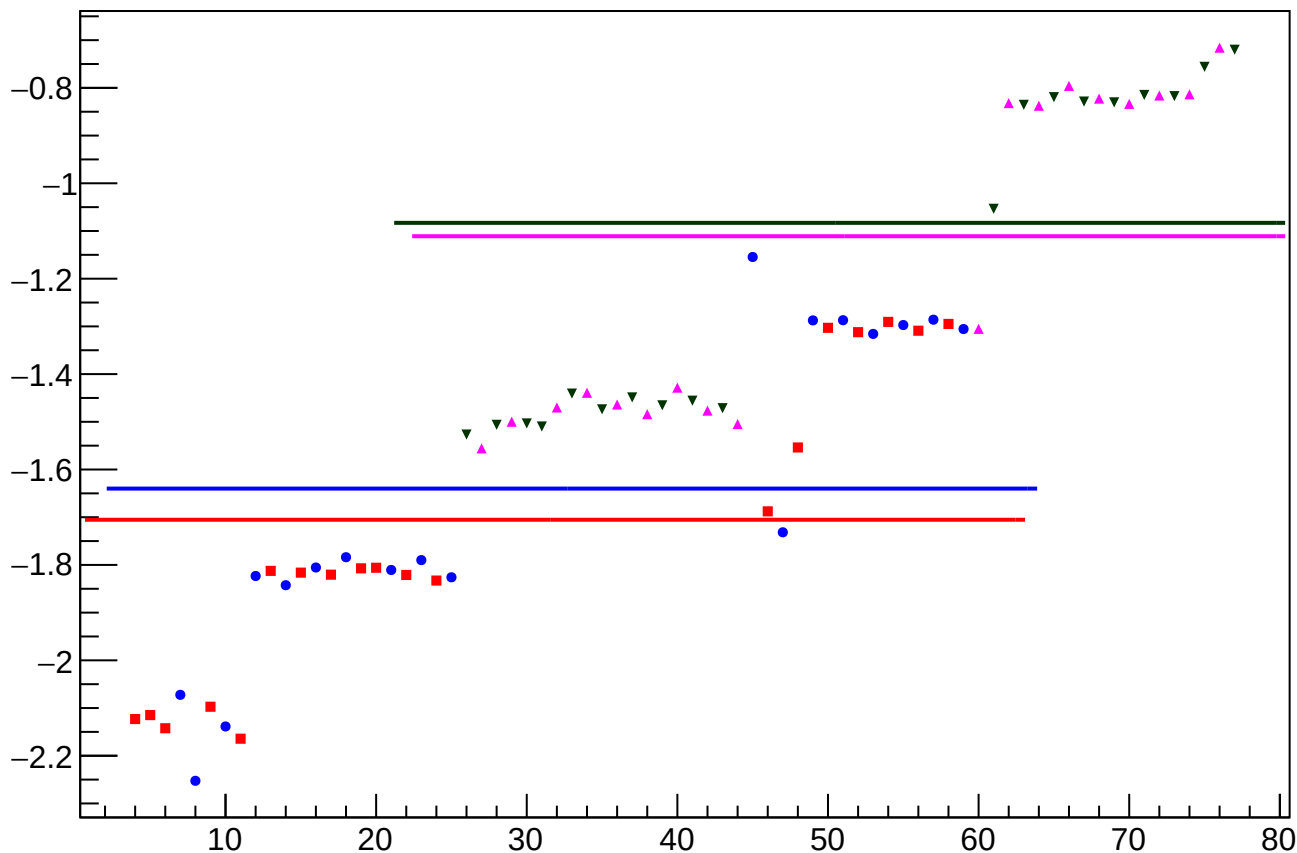
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 30121.1/17

0.011 $\pm$ 0.000 χ^2 /NDF: 545499.6/36

0.010 $\pm$ 0.000 χ^2 /NDF: 516012.7/36

yield_bpm0l06Y_mean vs slug



Right In: -1.640+/-0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.083+/-0.000 χ^2/NDF : 47655216753.9/18

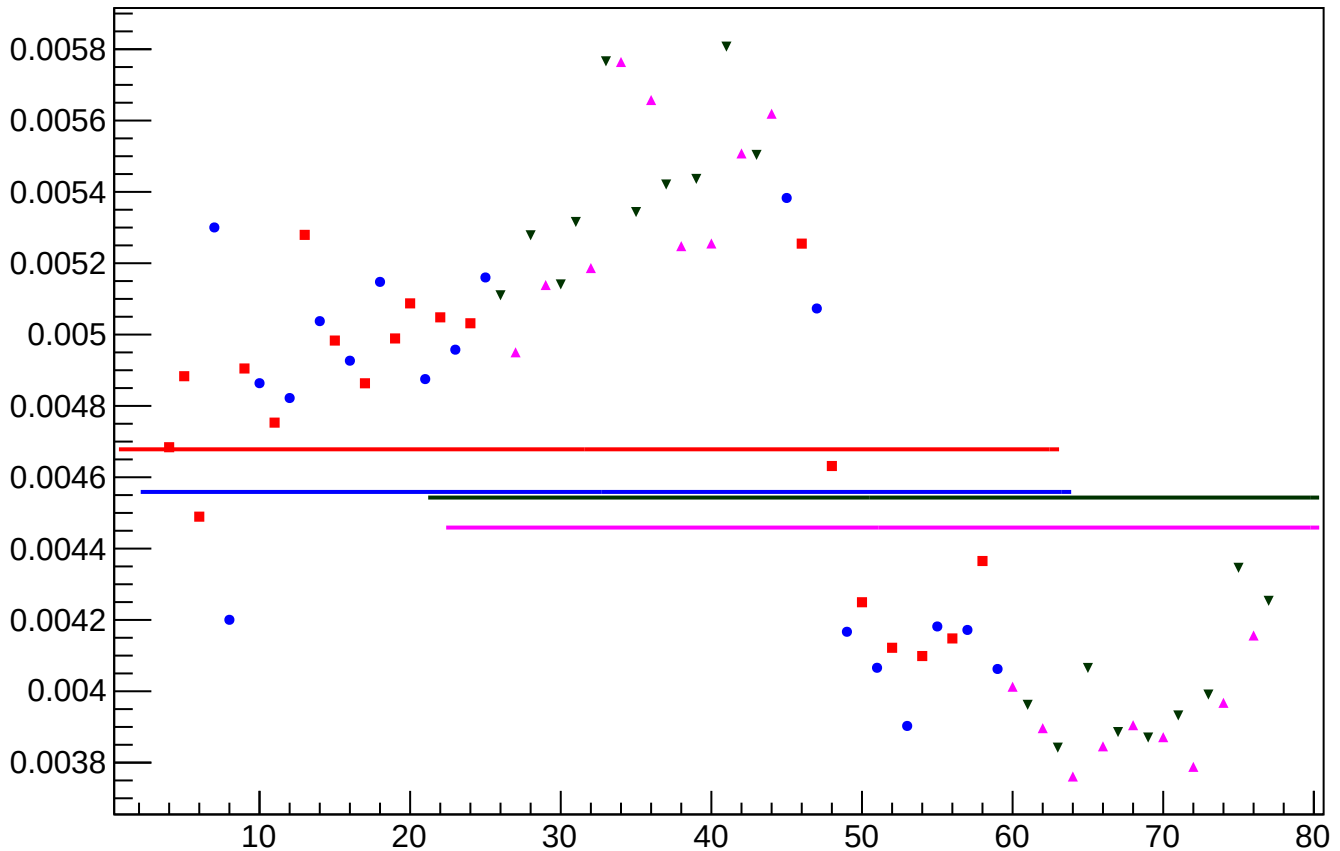
Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.111+/-0.000 χ^2/NDF : 53956729077.5/17

-1.381+/-0.000 χ^2/NDF : 186807079142.5/36

-1.390+/-0.000 χ^2/NDF : 181302619595.1/36

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 228593.7/17

Left Out: 0.005+/-0.000 χ^2/NDF : 451352.4/18

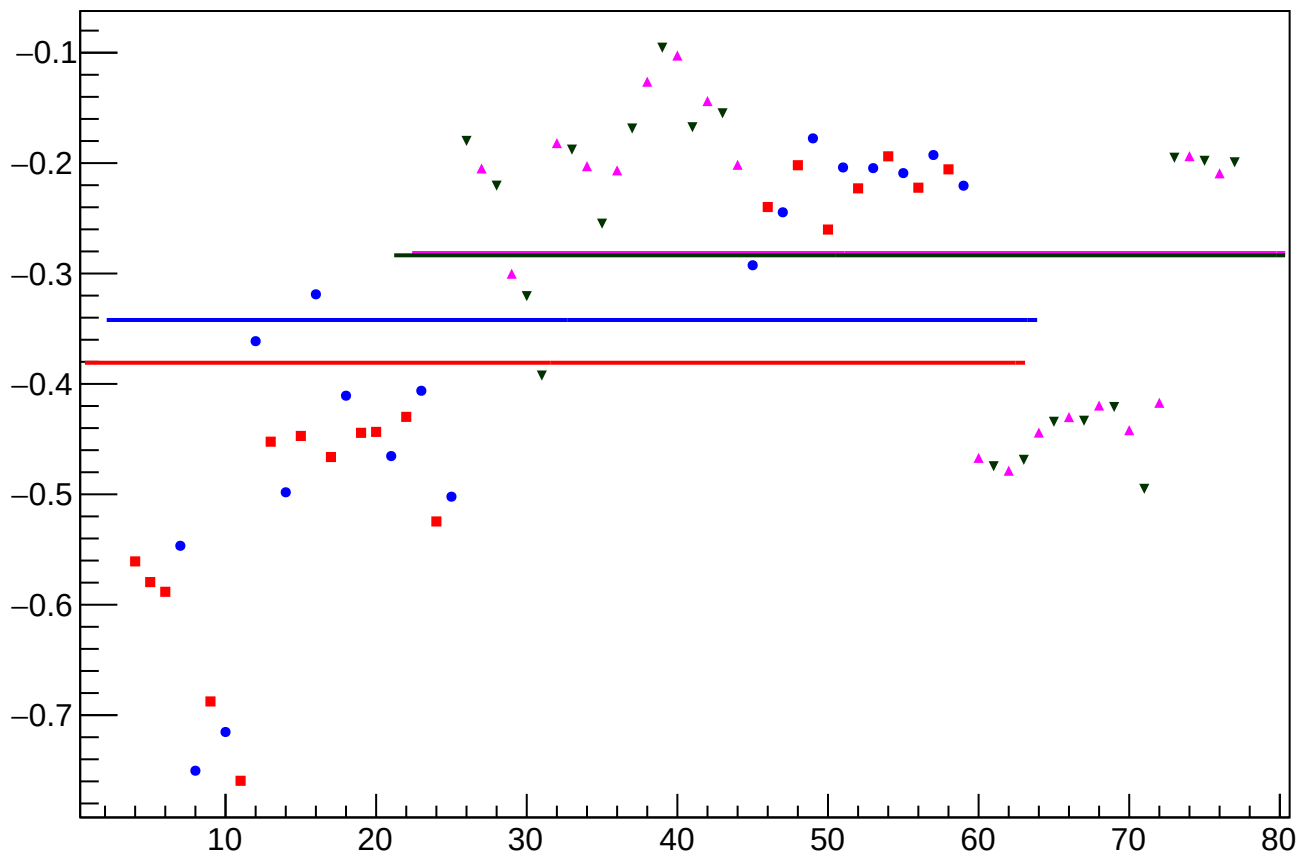
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.004+/-0.000 χ^2/NDF : 486785.9/17

0.005+/-0.000 χ^2/NDF : 680066.8/36

0.005+/-0.000 χ^2/NDF : 645536.1/36

yield_bpm0l07X_mean vs slug



Right In: -0.342+/-0.000 χ^2/NDF : 1669772673.5/17

Left Out: -0.284+/-0.000 χ^2/NDF : 752681748.7/18

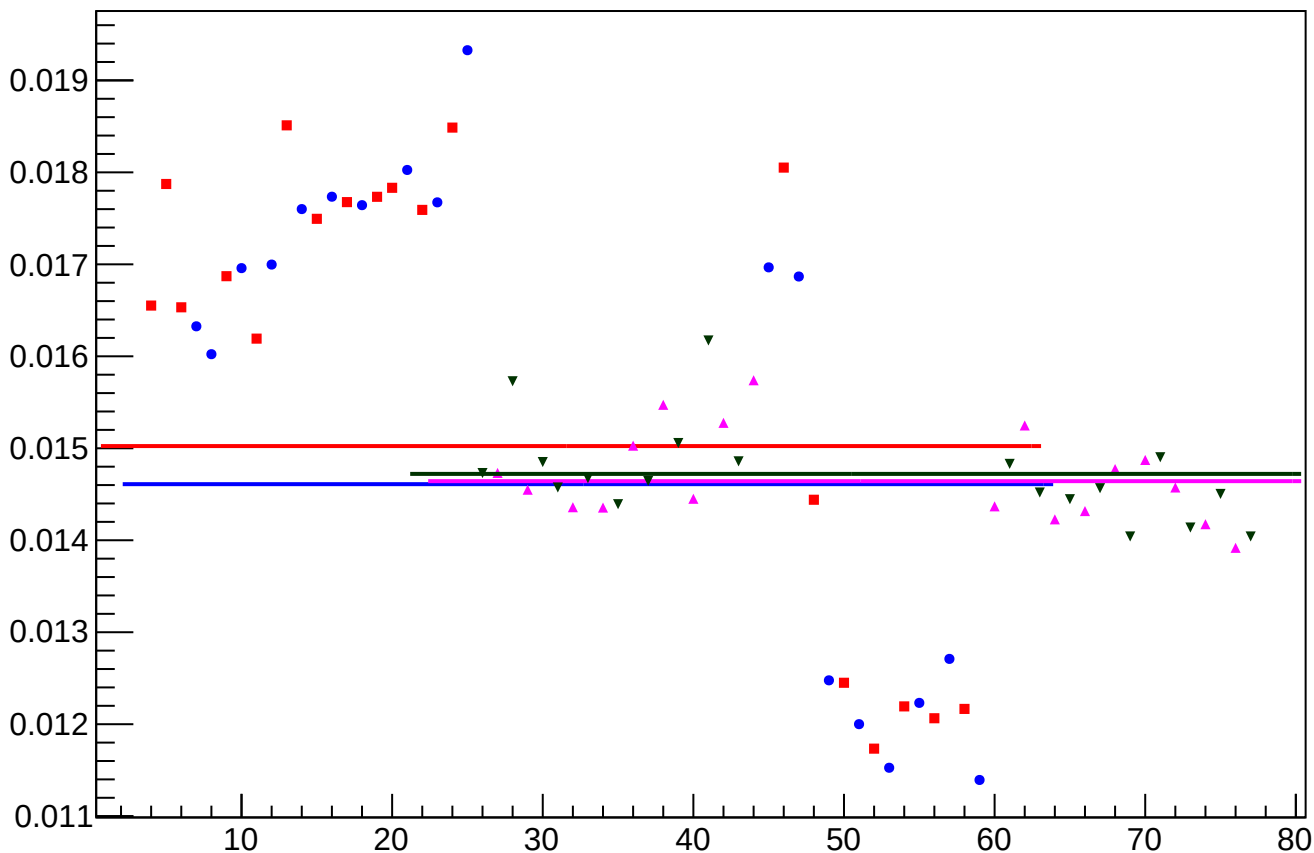
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.281+/-0.000 χ^2/NDF : 743679672.0/17

-0.314+/-0.000 χ^2/NDF : 2503922485.6/36

-0.328+/-0.000 χ^2/NDF : 2348986792.6/36

yield_bpm0l07X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 711926.7/17

Left Out: 0.015+/-0.000 χ^2/NDF : 23994.4/18

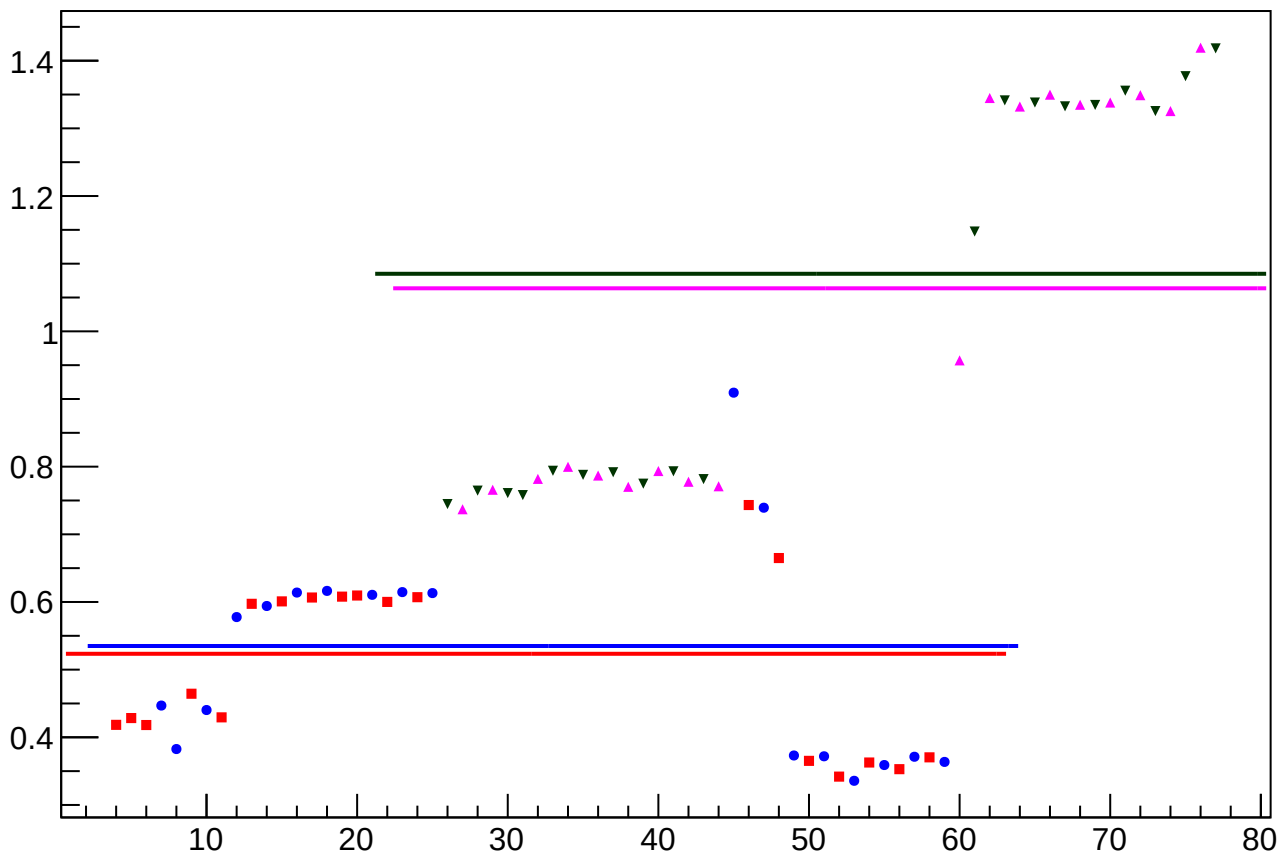
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF : 19568.8/17

0.015+/-0.000 χ^2/NDF : 736513.3/36

0.015+/-0.000 χ^2/NDF : 599781.8/36

yield_bpm0l07Y_mean vs slug



Right In: 0.535+/-0.000 χ^2/NDF : 21231144094.8/17

Left Out: 1.085+/-0.000 χ^2/NDF : 86401888844.0/18

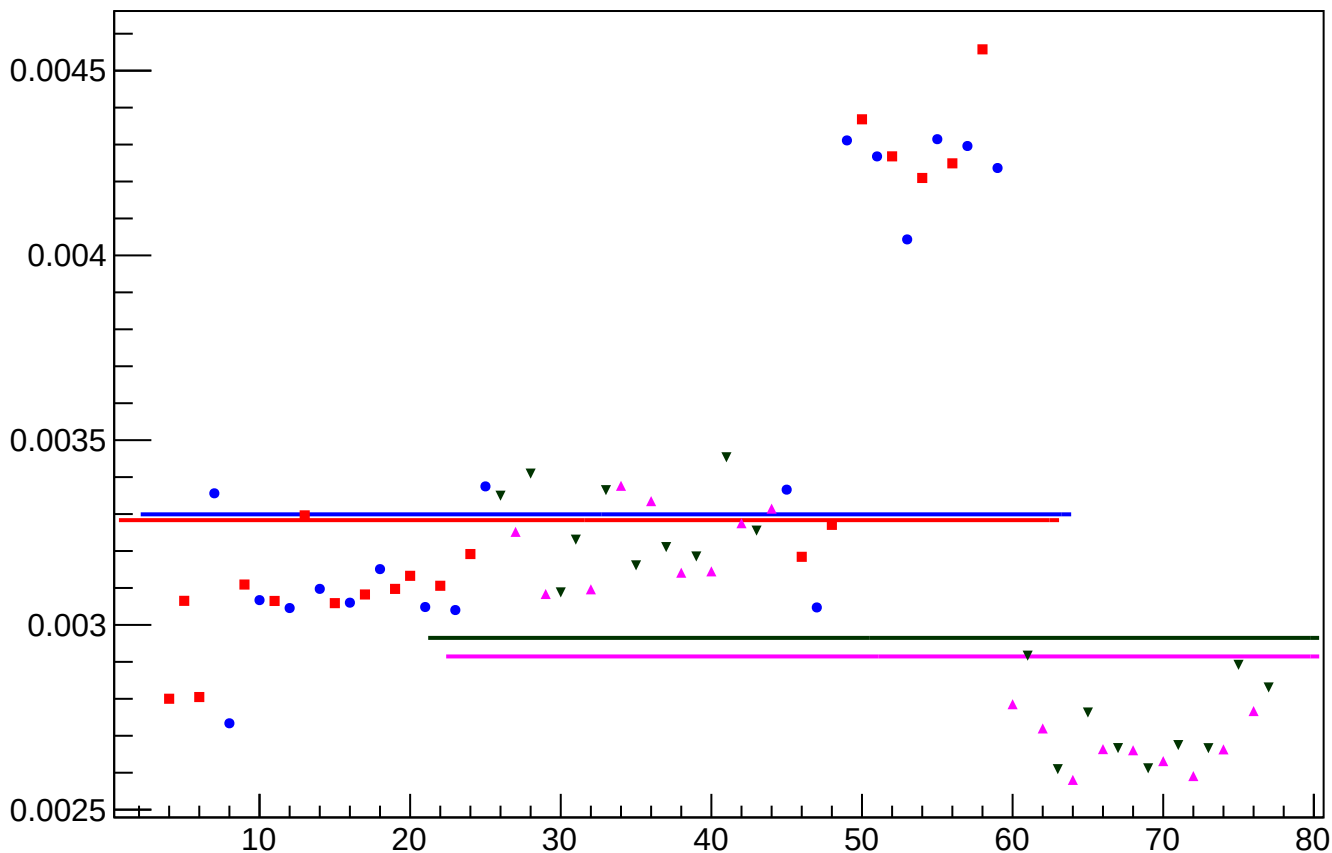
0.823+/-0.000 χ^2/NDF : 263992647771.8/36

Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

0.833+/-0.000 χ^2/NDF : 251709597037.0/36

Left In: 1.064+/-0.000 χ^2/NDF : 93555183952.3/17

yield_bpm0l07Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 497565.6/17

Left Out: 0.003+/-0.000 χ^2/NDF :185515.3/18

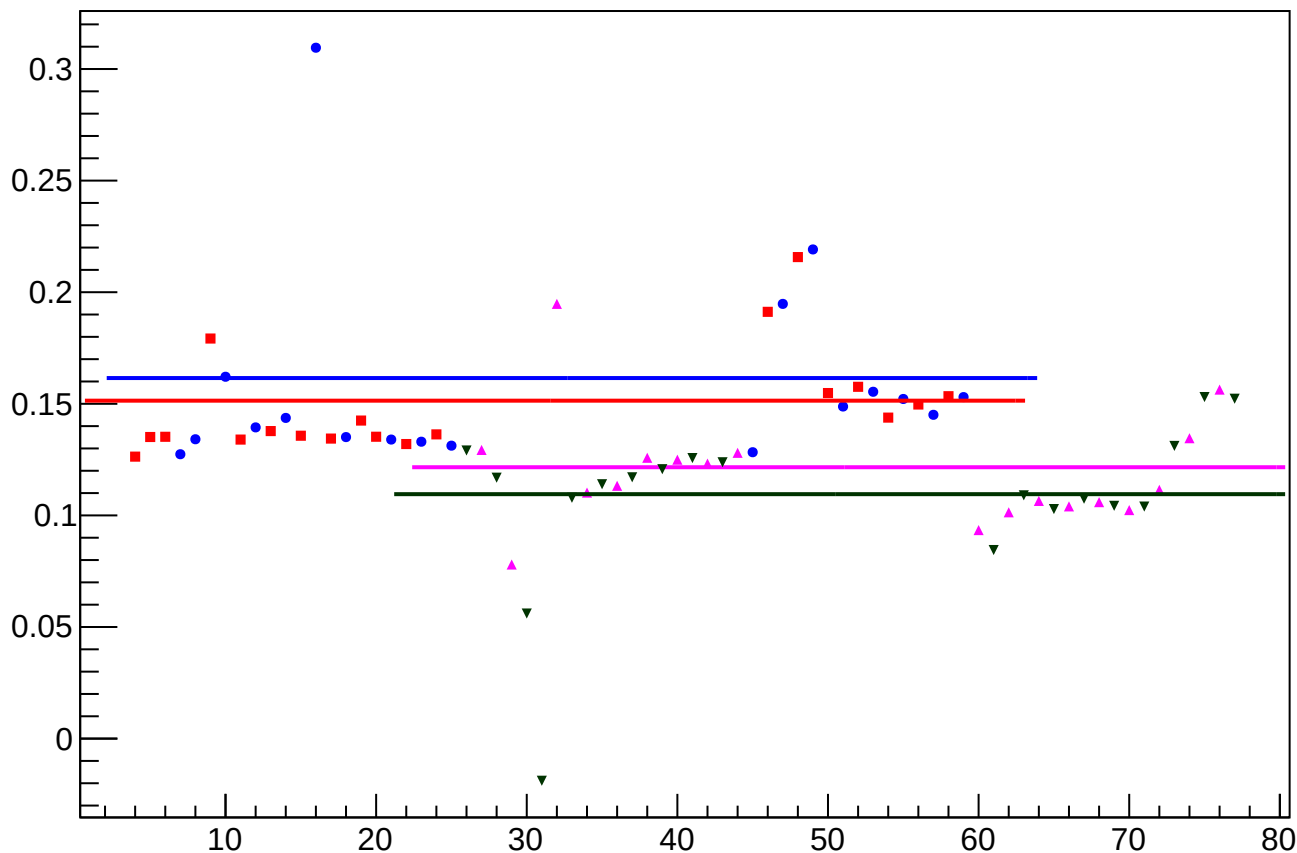
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :181591.0/17

0.003+/-0.000 χ^2/NDF : 798615.2/36

0.003+/-0.000 χ^2/NDF : 700636.1/36

yield_bpm0l08X_mean vs slug



Right In: 0.162 ± 0.000 χ^2/NDF : 94764439.1/17

Left Out: 0.110 ± 0.000 χ^2/NDF : 56909570.3/18

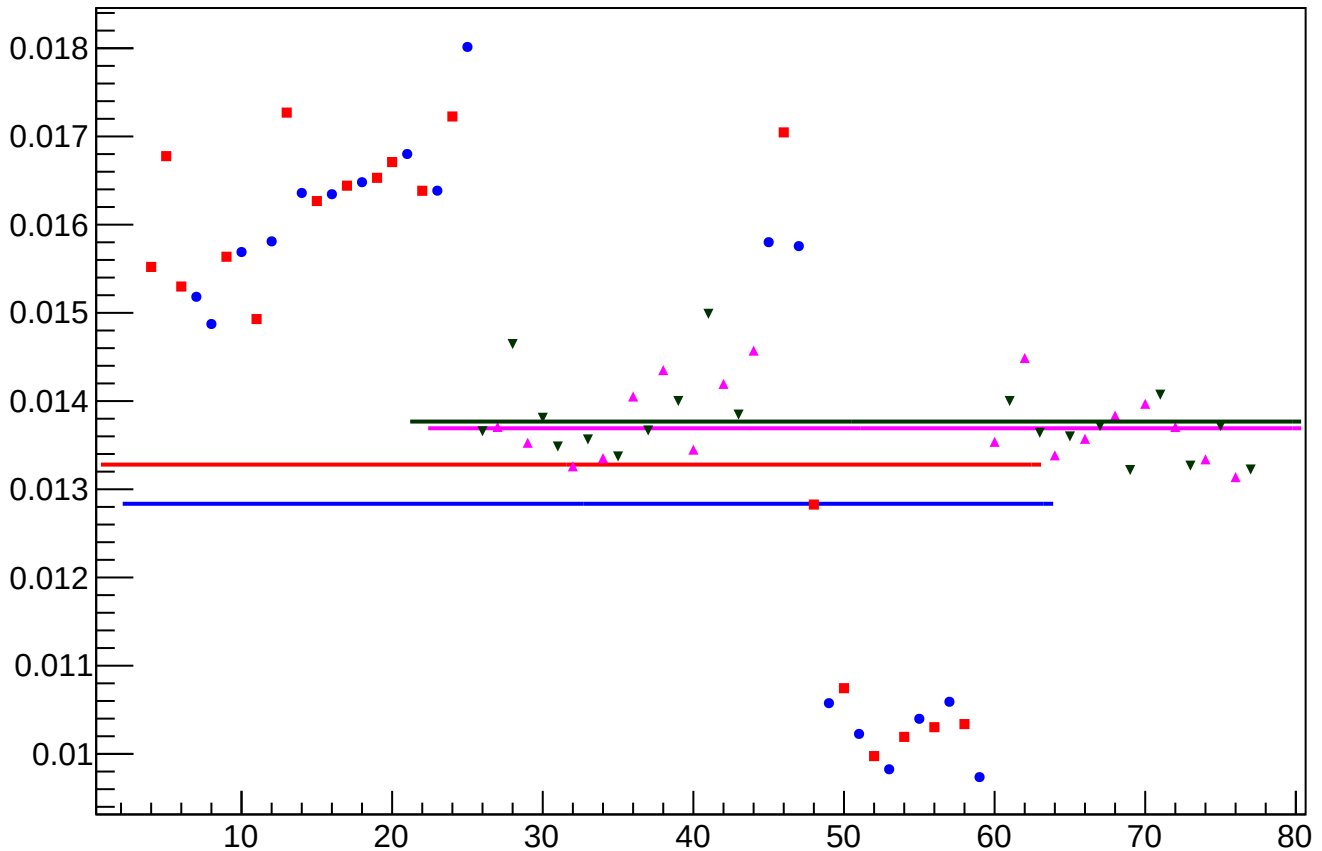
Right Out: 0.151 ± 0.000 χ^2/NDF : 22463584.0/18

Left In: 0.122 ± 0.000 χ^2/NDF : 47463557.5/17

0.138 ± 0.000 χ^2/NDF : 228748298.0/36

0.136 ± 0.000 χ^2/NDF : 93482902.4/36

yield_bpm0l08X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 1088247.1/17

Left Out: 0.014+/-0.000 χ^2/NDF : 20572.7/18

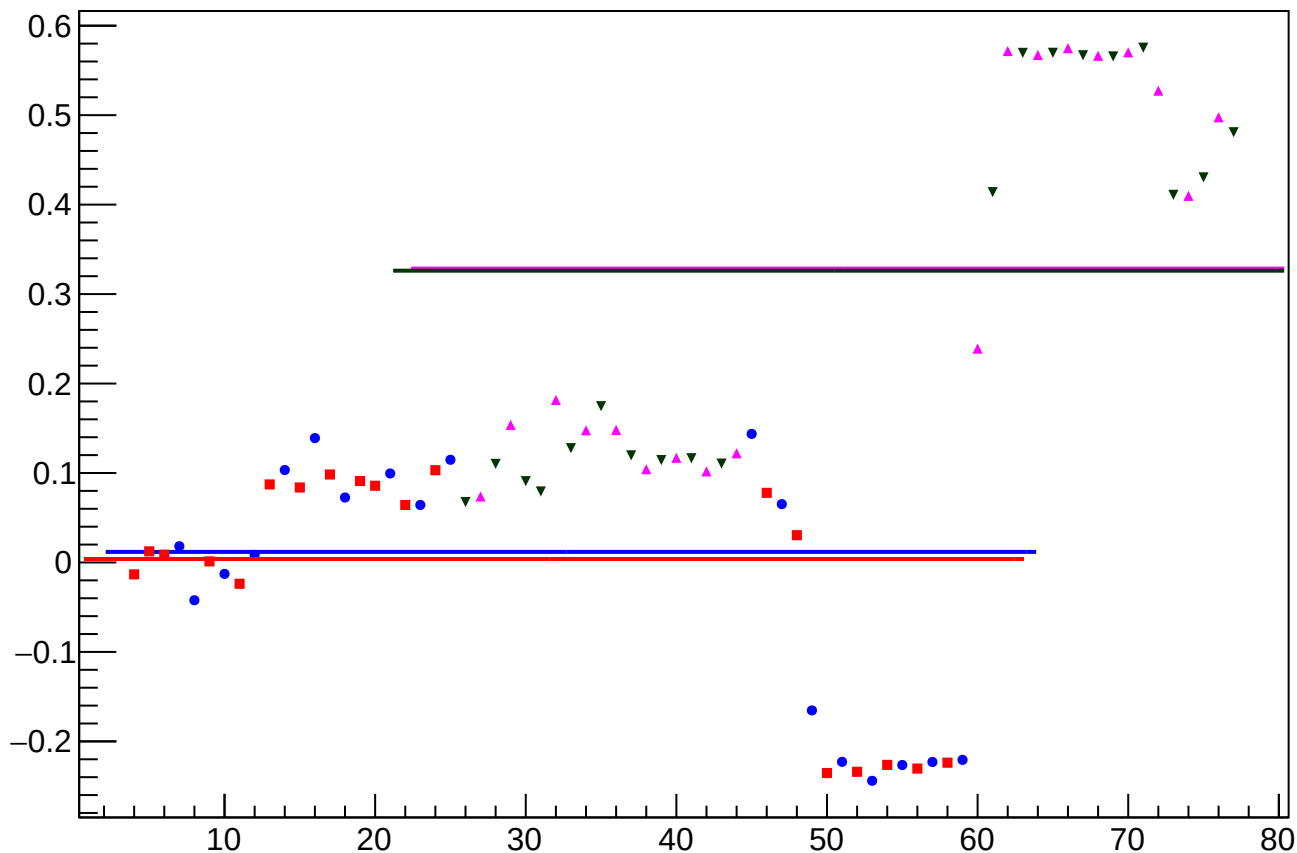
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF : 17748.6/17

0.013+/-0.000 χ^2/NDF : 1158300.1/36

0.013+/-0.000 χ^2/NDF : 916738.6/36

yield_bpm0l08Y_mean vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 12179192870.2/17

Left Out: 0.326+/-0.000 χ^2/NDF : 44478159951.9/18

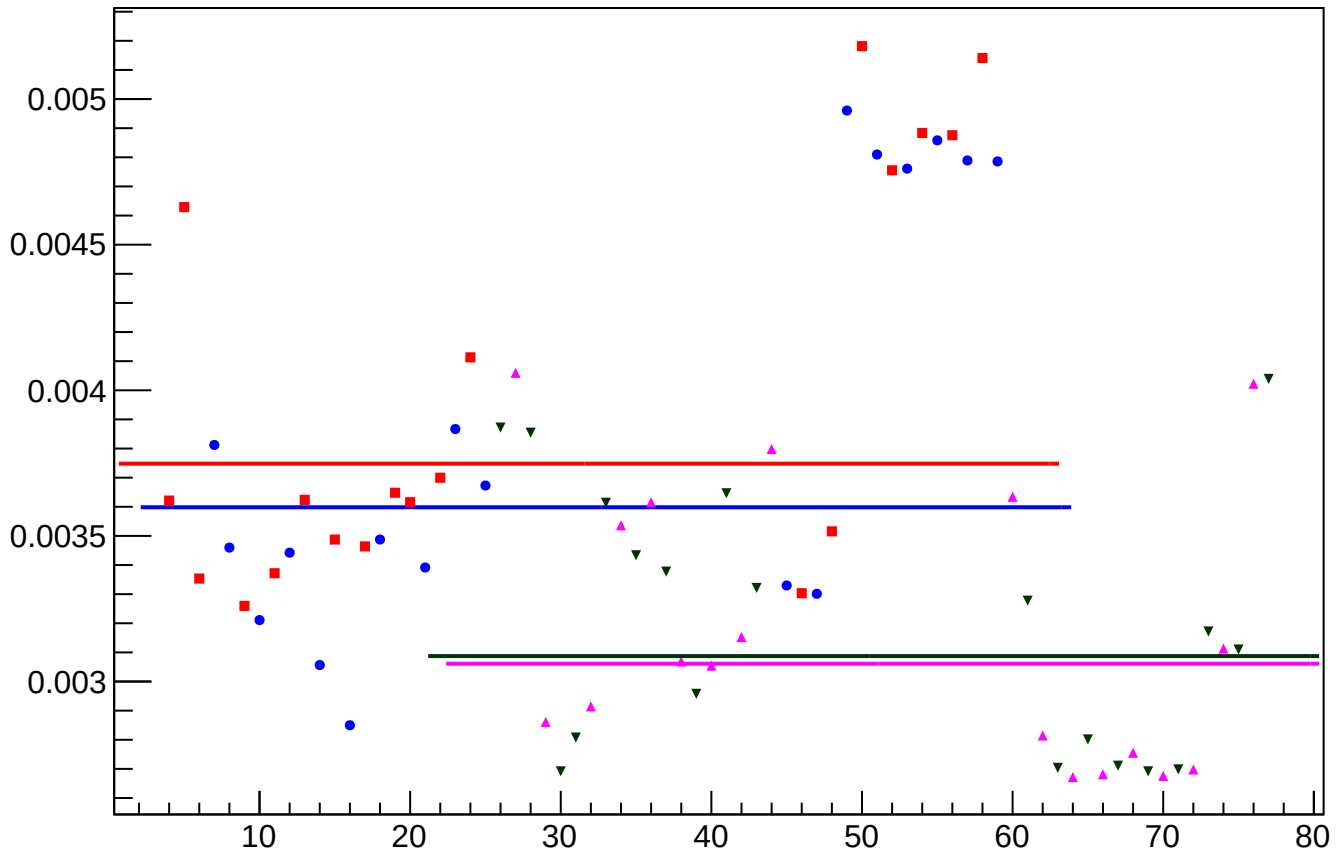
Right Out: 0.004+/-0.000 χ^2/NDF : 7924148421.7/18

Left In: 0.329+/-0.000 χ^2/NDF : 43919594800.8/17

0.184+/-0.000 χ^2/NDF : 100330671945.0/36

0.203+/-0.000 χ^2/NDF : 94116146194.4/36

yield_bpm0l08Y_rms vs slug



Right In: 0.004 ± 0.000 χ^2/NDF : 672957.8/17

Left Out: 0.003 ± 0.000 χ^2/NDF : 340799.8/18

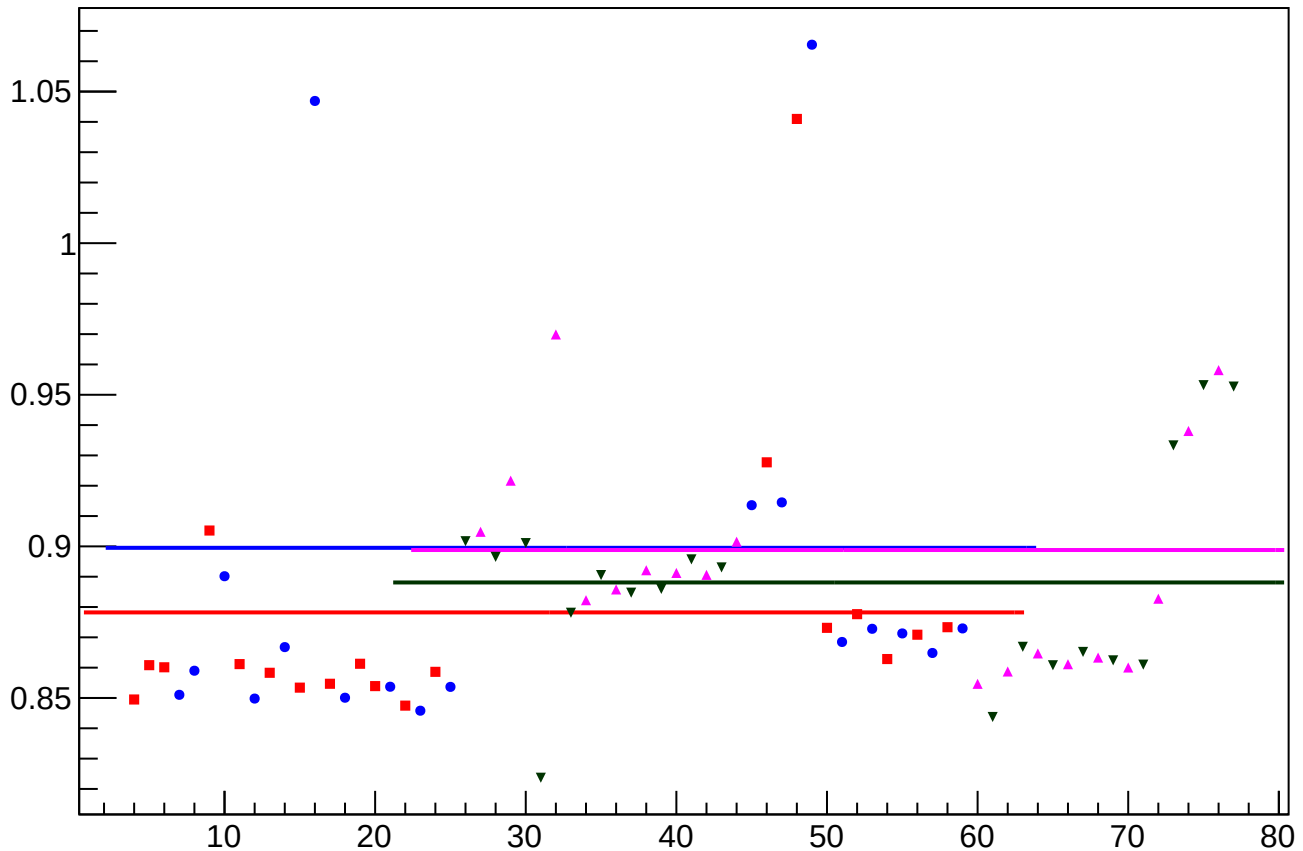
0.003 ± 0.000 χ^2/NDF : 1244527.3/36

Right Out: 0.004 ± 0.000 χ^2/NDF : 427283.7/18

0.003 ± 0.000 χ^2/NDF : 1182101.3/36

Left In: 0.003 ± 0.000 χ^2/NDF : 376313.1/17

yield_bpm0l09X_mean vs slug



Right In: 0.900 $\pm$ 0.000 χ^2 /NDF: 324904340.4/17

Left Out: 0.888 $\pm$ 0.000 χ^2 /NDF: 51900843.6/18

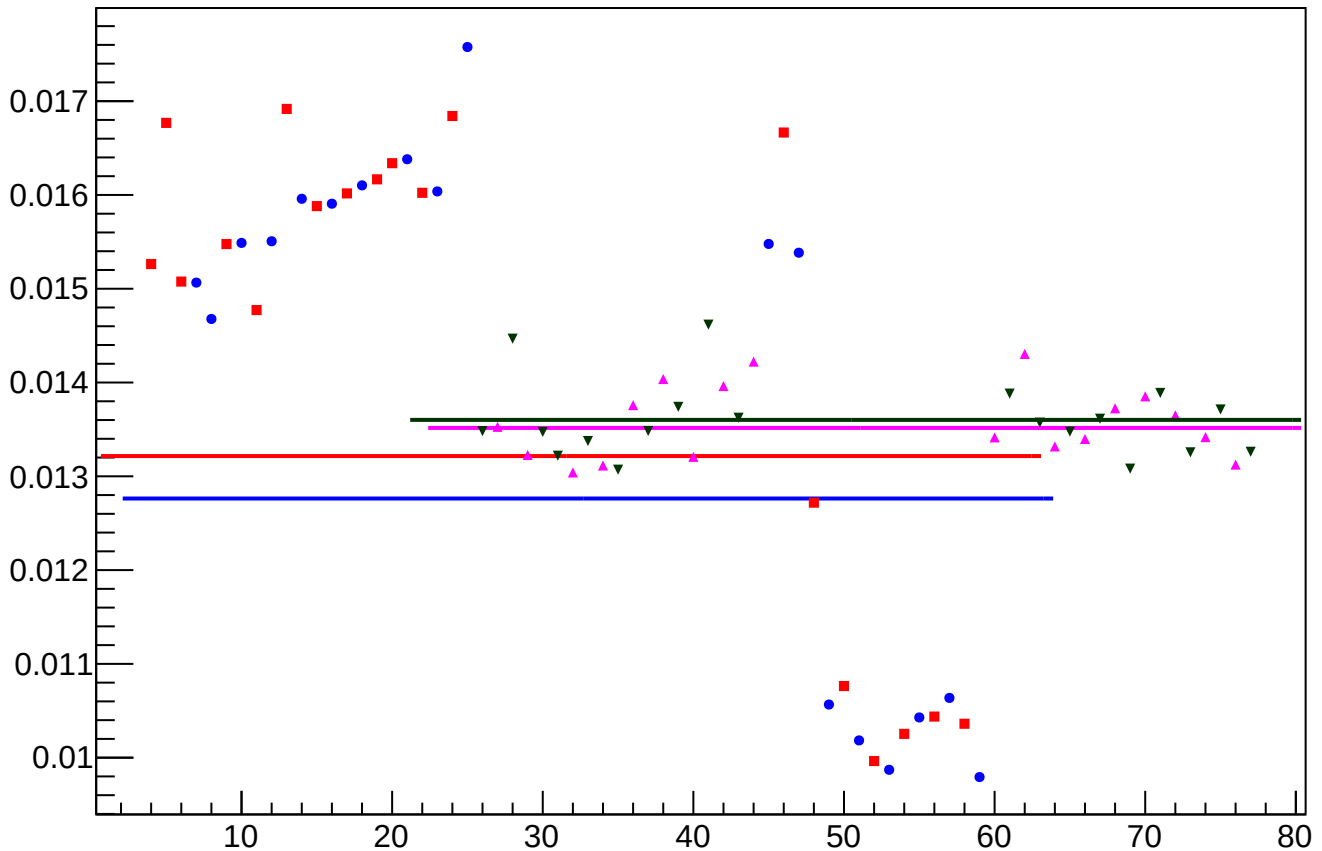
Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 92356263.0/18

Left In: 0.899 $\pm$ 0.000 χ^2 /NDF: 70991677.5/17

0.894 $\pm$ 0.000 χ^2 /NDF: 380595681.6/36

0.889 $\pm$ 0.000 χ^2 /NDF: 174768737.7/36

yield_bpm0l09X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 980141.4/17

Left Out: 0.014+/-0.000 χ^2/NDF : 17468.9/18

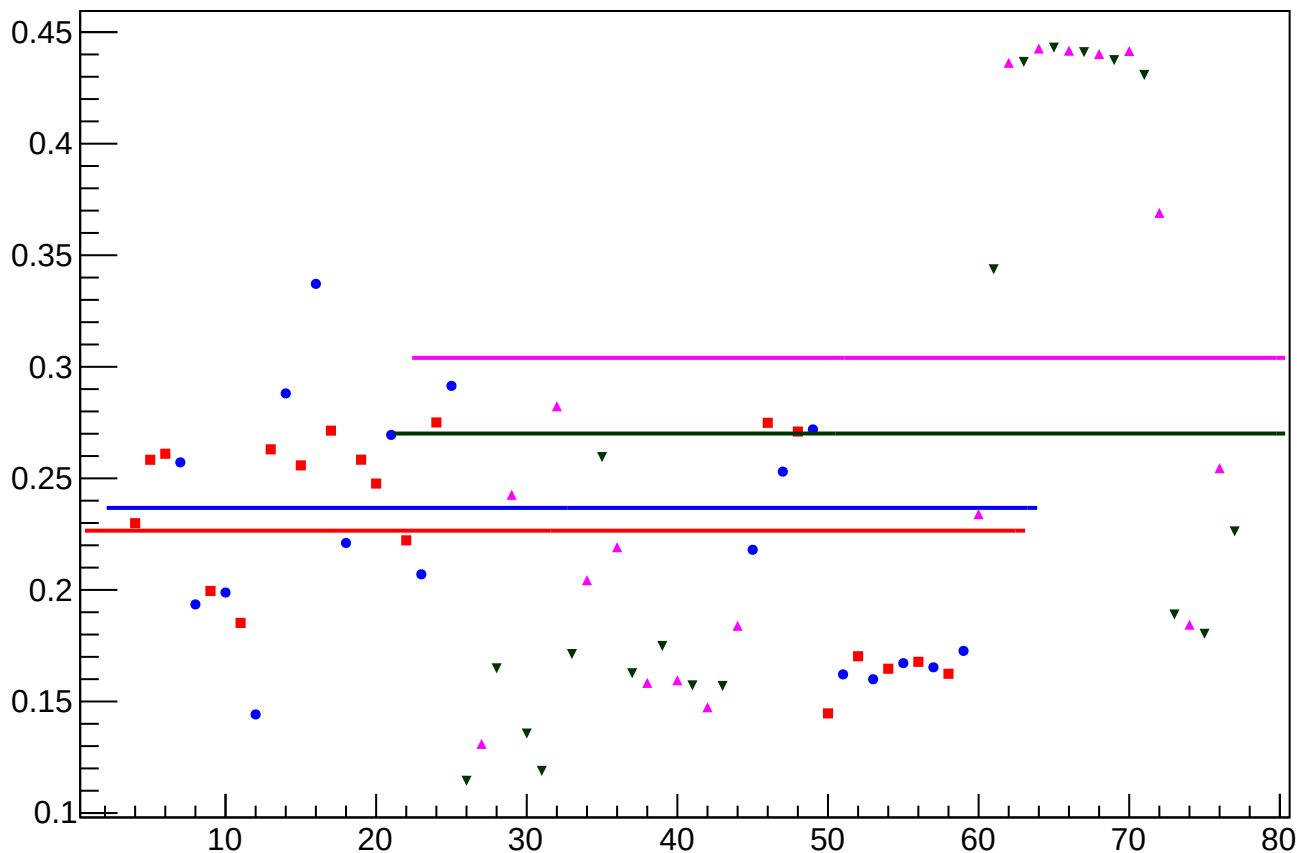
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF : 15118.2/17

0.013+/-0.000 χ^2/NDF : 1038430.4/36

0.013+/-0.000 χ^2/NDF : 818820.9/36

yield_bpm0l09Y_mean vs slug



Right In: 0.237 $\pm$ 0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.270 $\pm$ 0.000 χ^2/NDF : 15611103649.8/18

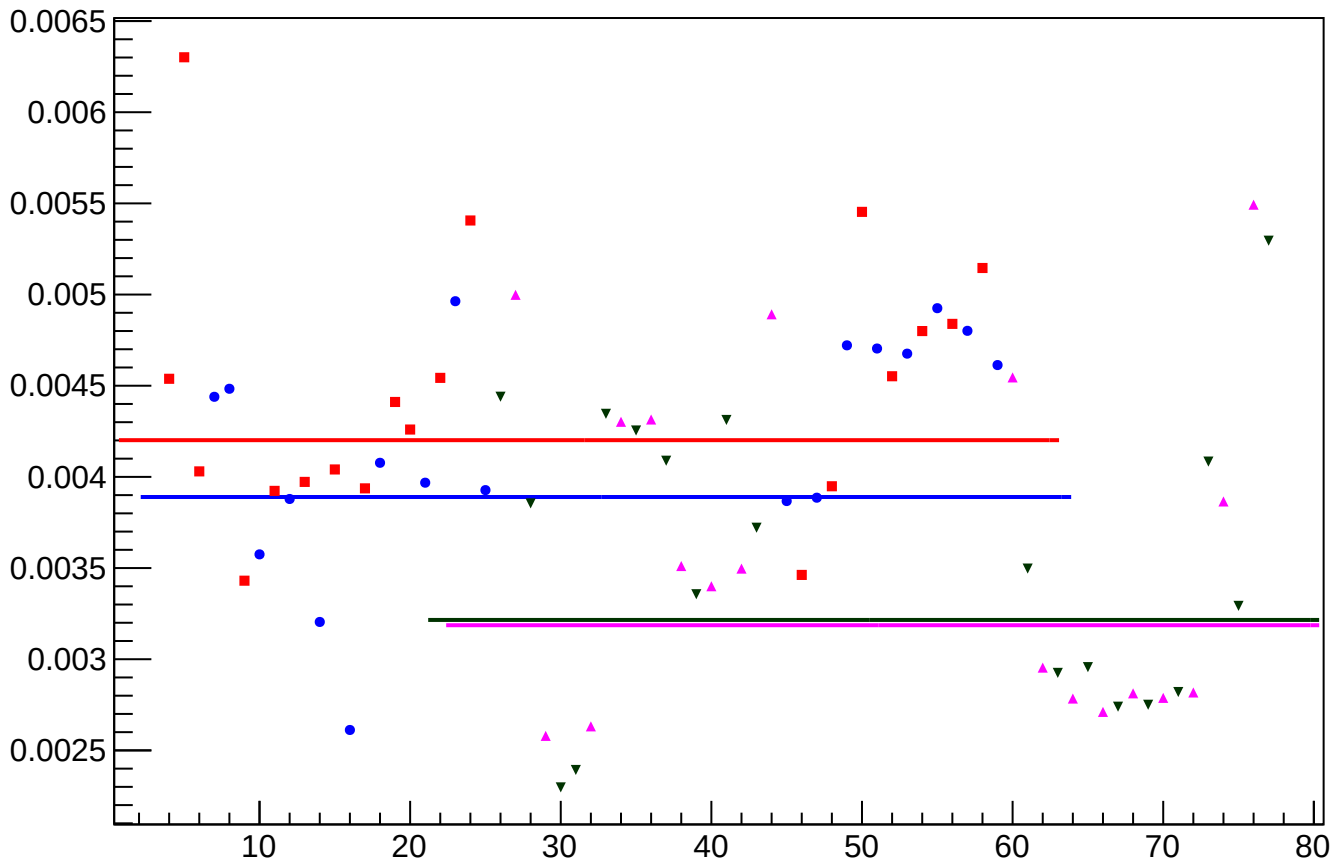
Right Out: 0.227 $\pm$ 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.304 $\pm$ 0.000 χ^2/NDF : 11600521845.2/17

0.255 $\pm$ 0.000 χ^2/NDF : 18441802728.3/36

0.276 $\pm$ 0.000 χ^2/NDF : 14492110660.3/36

yield_bpm0l09Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 695729.3/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 897075.7/18

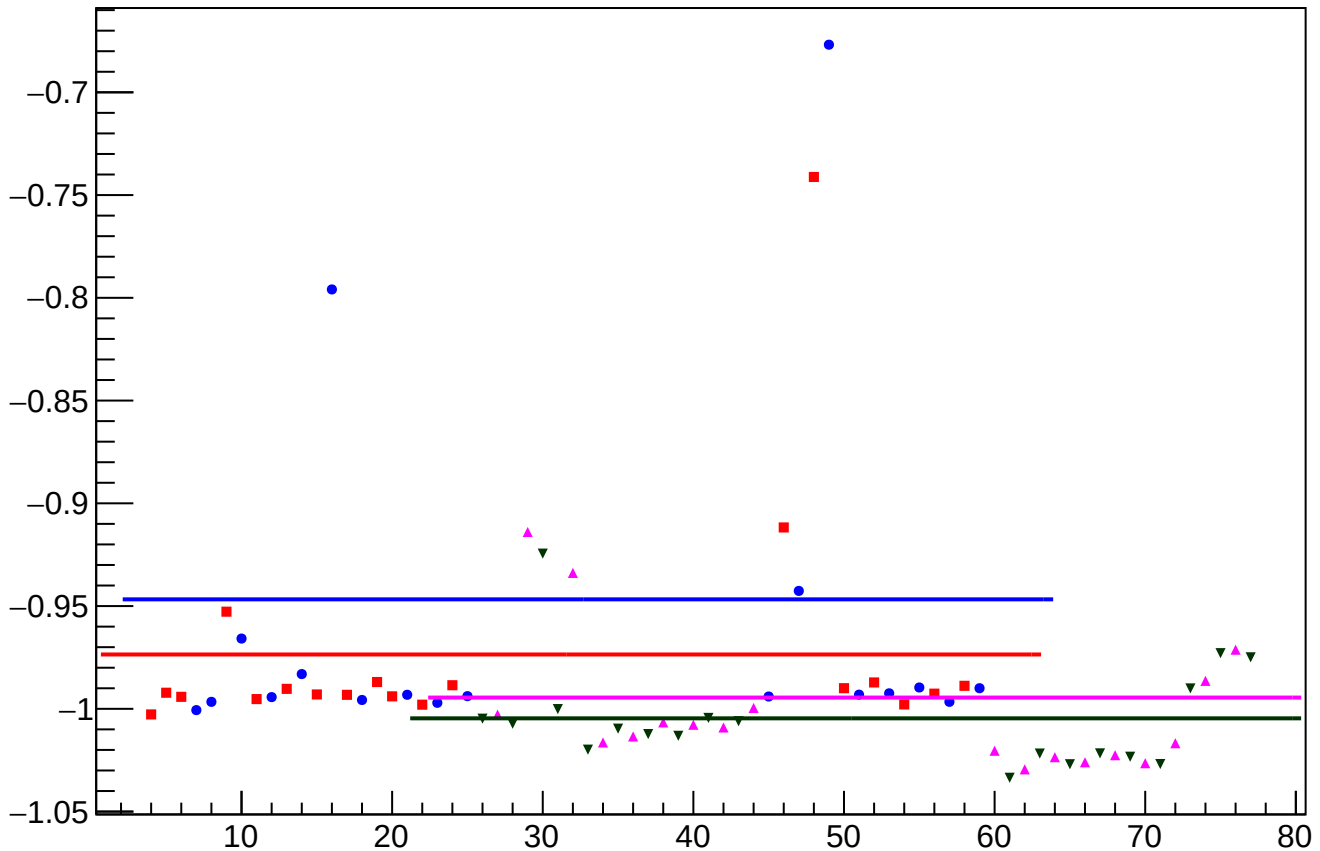
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 341340.8/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1045139.0/17

0.004 $\pm$ 0.000 χ^2 /NDF: 1935854.1/36

0.004 $\pm$ 0.000 χ^2 /NDF: 2055378.1/36

yield_bpm0l10X_mean vs slug



Right In: -0.947+/-0.000 χ^2/NDF : 662253046.3/17

Left Out: -1.005+/-0.000 χ^2/NDF : 34573275.6/18

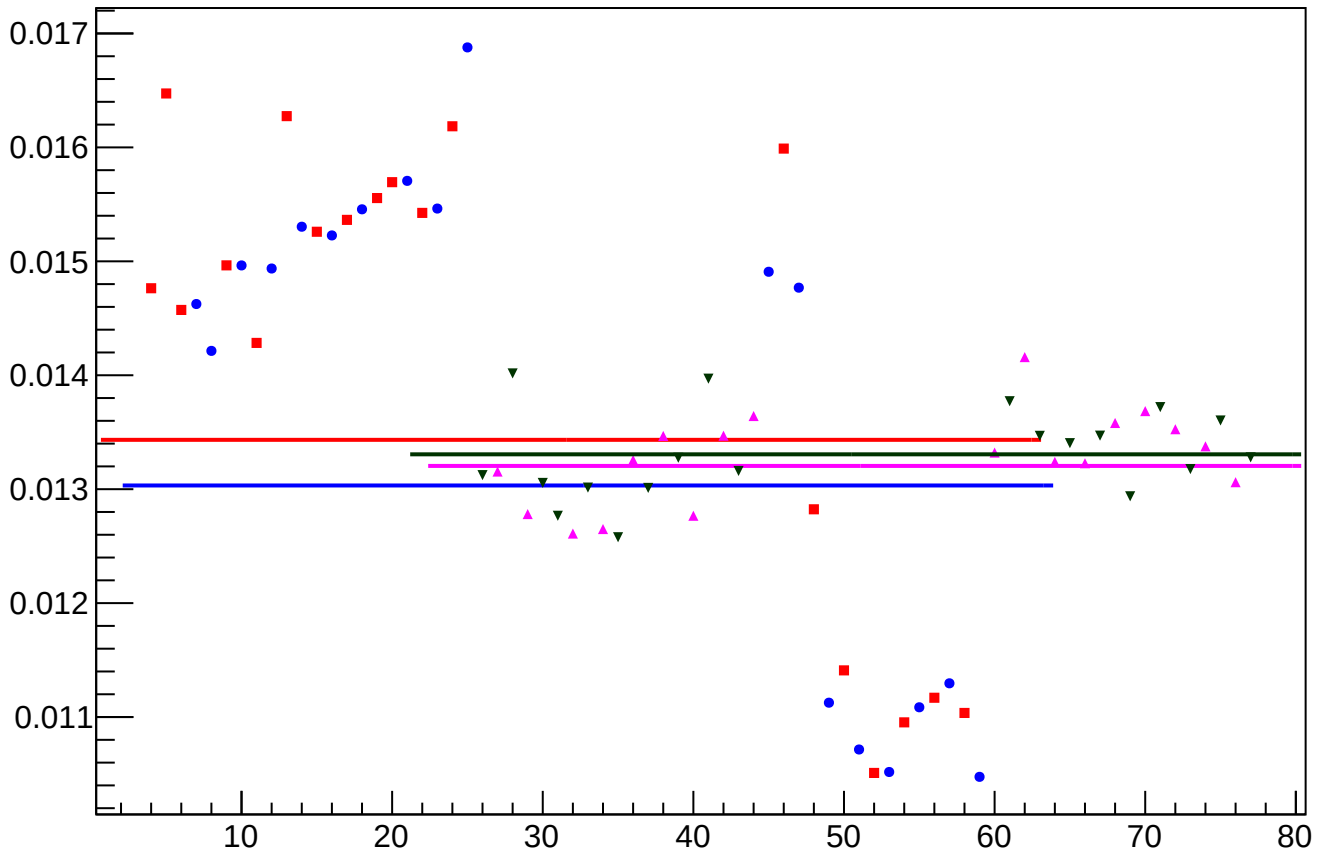
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.995+/-0.000 χ^2/NDF : 76586641.7/17

-0.974+/-0.000 χ^2/NDF : 795259130.9/36

-0.985+/-0.000 χ^2/NDF : 263270290.4/36

yield_bpm0l10X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 587832.0/17

Left Out: 0.013+/-0.000 χ^2/NDF :16398.0/18

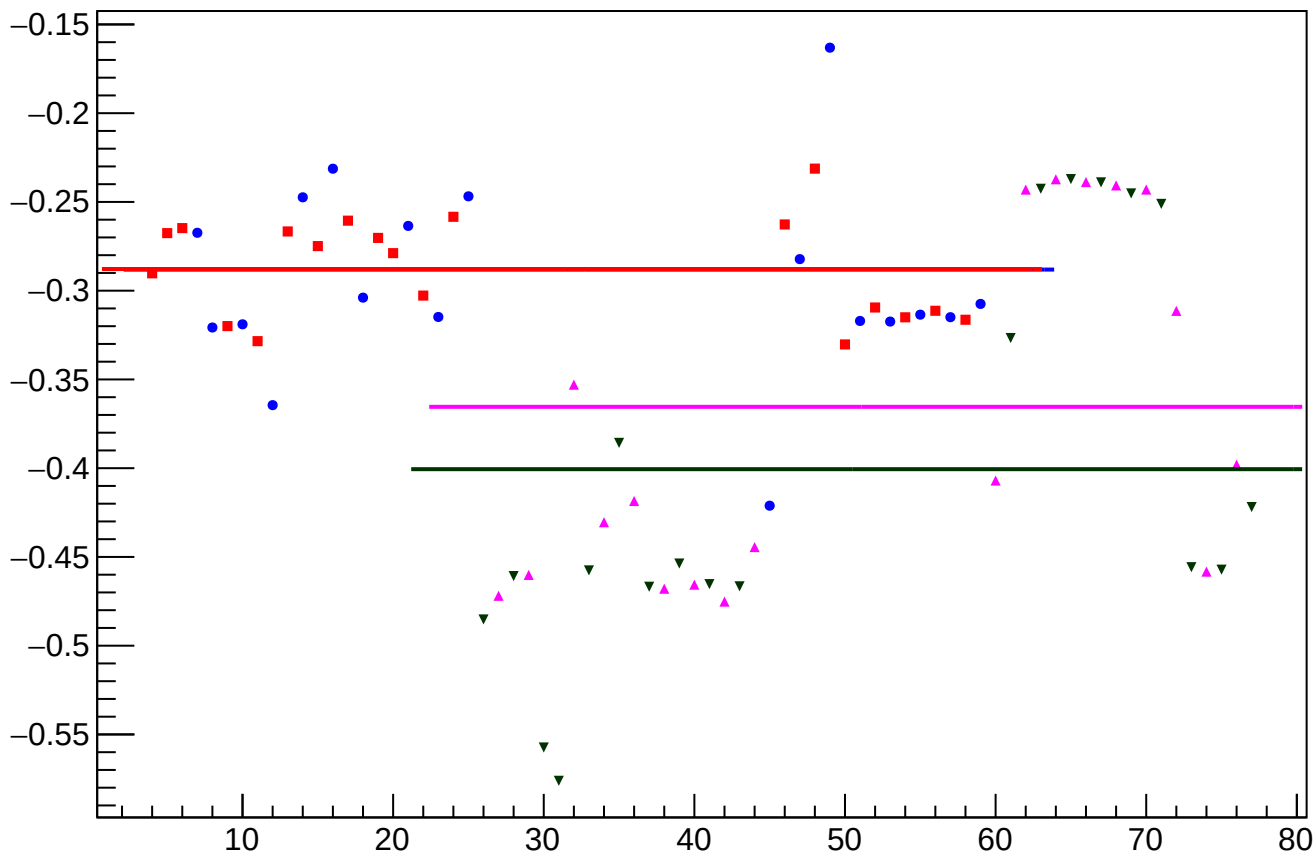
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF :17823.0/17

0.013+/-0.000 χ^2/NDF : 608619.6/36

0.013+/-0.000 χ^2/NDF : 499929.4/36

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.401+/-0.000 χ^2/NDF : 13728224535.2/18

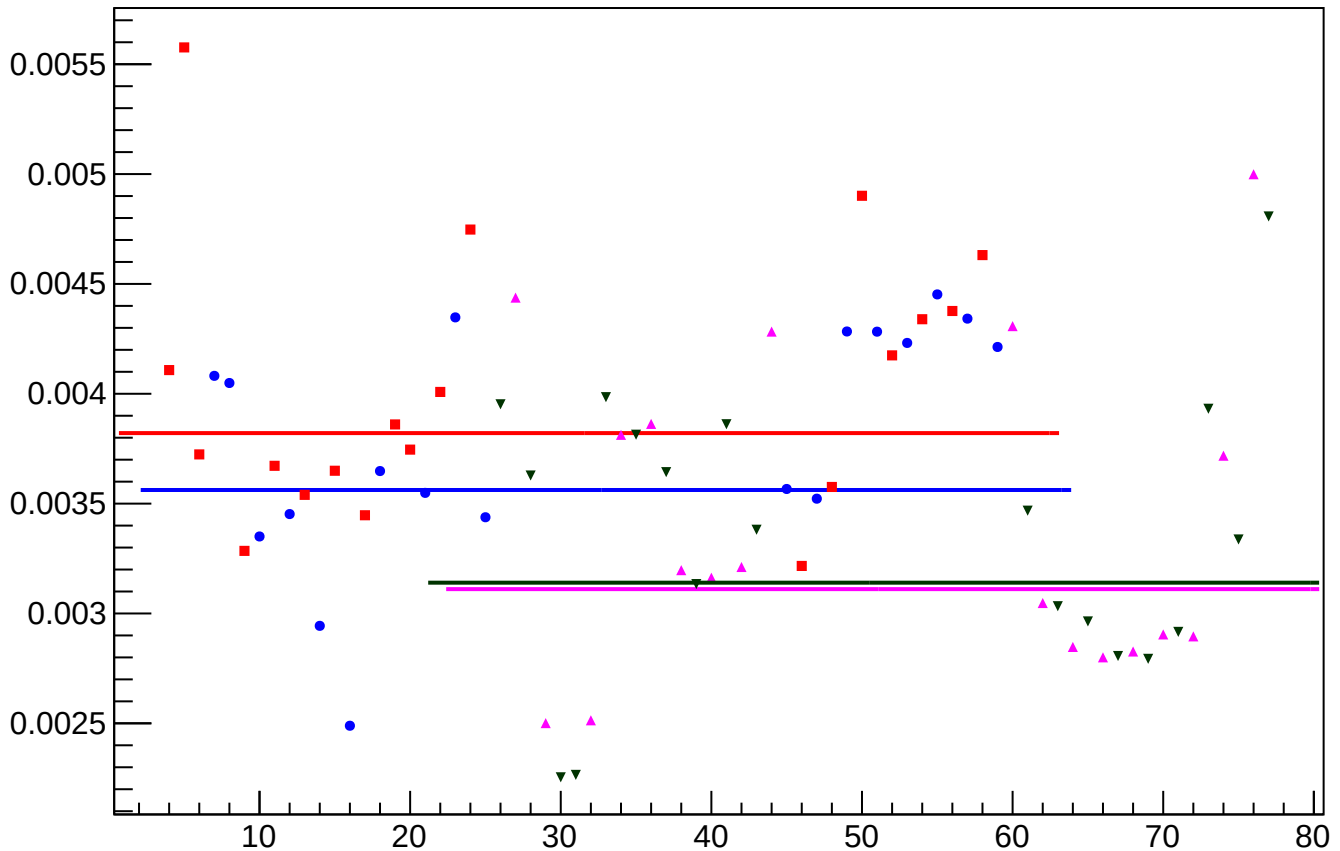
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.365+/-0.000 χ^2/NDF : 8801520286.2/17

-0.347+/-0.000 χ^2/NDF : 21783405970.1/36

-0.335+/-0.000 χ^2/NDF : 11599704225.6/36

yield_bpm0l10Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 588741.6/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 667427.6/18

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 282191.6/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 766807.5/17

0.003 $\pm$ 0.000 χ^2 /NDF: 1409640.1/36

0.003 $\pm$ 0.000 χ^2 /NDF: 1431042.0/36